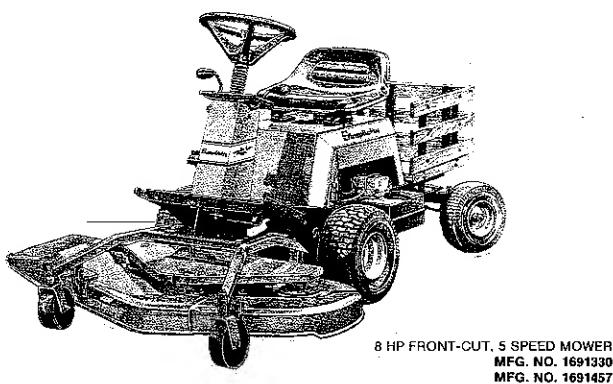
# SunRunner Front-Cut Riding Mower **Gear Drive**



MFG. NO. 1691330

MFG. NO. 1691457

12 HP FRONT-CUT 5 SPEED MOWER

MFG. NO. 1691198

MFG. NO. 1691458

42" MOWER

MFG, NO. 1691199

36" MOWER

MFG. NO. 1691332

TP-1105-03 682

Simplicity

#### Product Identification:

| When ordering parts, keep your products serial nu<br>a part between early and later model products, car<br>whenever these variations occur. | imber and manufacturer's number in mind. Variations may occur in<br>using the product serial number to be listed in the parts description |
|---|---|
|   |   |

| Record your I.D. numbers here for | quick, future reference. |
|-----------------------------------|--------------------------|
| Product Mfg. No                   | S/N Moway Mfa Na         |
| Attention:                        | S/NS/N                   |

Standard torques appear in a chart at the end of the manual, while important individual torques are given on specific

CRITICAL and MAJOR notations point out important facts or instructions which relate to personal safety and proper machine operation. Any CRITICAL notation which may appear in this book, pinpoints characteristics which, if not properly followed, can create a safety hazard. Any MAJOR notation 🔃 which may appear in this book, marks characteristics which, if not properly followed, may result in operating failure, shortened product life, or greatly

For your convenience, assembly notes are included in parts drawings to assist in repair and assembly of unit.

NOTE: Specifications may change without notice.

# SIMPLICITY PRODUCTS FOR THE PROPER CARE OF EQUIPMENT These genuine Simplicity products will help the owner extend the life of his equipment.

### OILS - SPECIFICALLY BLENDED OF HIGH QUALITY BASE OILS & ADDITIVES.

Special Worm Gear (Roticul) Oil for use in all tillers and snowthrowers with worm gear auger drive. Required for protection of brass gears and mating parts. Case of 12 Quarts, Part #1685100, Individual Quarts 118065.

Multi-Purpose Hydraulic/Transmission Oil for use in most hydraulic applications, and hydrostatic and gear transmissions. Specific Simplicity applications: All hydrostatic transmissions, all bevel gear cases, all Broadmoor. Landlord, Sovereign, 4000, 6000, 7000 transmissions (except Peerless Gear Transmissions). (Not used in SunStar tractor transmission.) Case of 12 Quarts, Part #1685516, 2% Galfon Container, Part #1685539.

2-Cycle Engine Oil, a premium lubricant for all 2-cycle aircooled engines. Case of 12 Part #1685517.

SAE 5W 30 SF/CD Cold Weather Engine Oil for use in all four cycle and diesel engines at 30° temp, and under. Case of 12 Quarts, Part # 1685576.

SAE 15W40 SF/CD Engine Oil for gas and diesel engines, warm weather; see engine manufacturer recommendations. Case of 12 Quarts, Part #1685554.

Grease Gun Kit has 12" flexible hose to get into tight spots with ease. Kit contains: gun and 1-8 oz. tube of grease, Part #1685510. For replacement tube, order Part # 103077.

Pneumatic Tire Seal, seals all leaks including bead leaks and punctures up to 3/16 inch diameters. Prevents flats for tread life of tire. Available in following amounts.

Case of 12 - 11 Oz. Tubes 1685537 Case of 24 - 11 Oz. Tubes 1685525 5 Galion Pail 1685527

Touch-Up Paint keeps equipment in showroom condition.

| Spray Cans                                       | Quarts  | Daubbers<br>12/Ctn.   |
|--|---------|---|
| *Simplicity Orange - 103262<br>(12 cans/1685179) | 1685037 | 1685520 - Mixed<br>(6 Simp. Orange,<br>6 White)   |
| "Classic Orange - 1685558<br>(12 cans/1685559)   | 1685560 | 1685562 - Mixed<br>(6 Classic Orange<br>6-White)  |
| White 103049<br>(12 cans/1685178)                | 1685032 | 1685562 - Mixed<br>(6-Classic Orange<br>6-White)<br>1685520 - Mixed<br>(6-Simp. Orange,<br>6-White) |
| Black - 1685551<br>(12 Cans/1685552)             | N.A.    | N,A,  |

\*For products produced after 12/1/85.

Simplicity Designer Seat Covers are double stitched, easy care vinyl. Keeps new seats new, makes worn seats look new.

 Small Cover for 4000, 5000. & 6100 Tractors

1685540

 Large Cover for 6200, 7000 & 9000 Tractors

1685541

SunStar Seat Cover

1685577

## **Table of Contents**

#### Page

#### FRAME & STEERING GROUP \_\_\_\_\_

Frame, Steering Wheel, Column, Cables, Rear Platform

#### REAR AXLE & REAR WHEELS GROUP \_\_\_\_\_

Rear Axle, Spindles, Steering Arms, Rear Wheels

#### ENGINE GROUP \_\_\_\_\_

Engine, Drive Pulley, Belt Guides, Muffler, Shields

#### TRANSMISSION GROUP \_\_\_\_\_

Transmission, Support, Chain Guard, Shift Arm, Clutch Arm, Pulleys

#### FUEL SYSTEM GROUP \_\_\_\_\_

Fuel Tanks, Fuel Lines & Connectors

#### DIFFERENTIAL & FRONT WHEELS GROUP

Axle Assembly, Brake Drum, Front Wheels

#### BRAKE & CLUTCH GROUP

Pedal, Clutch Rod, Brake Rod, Brake Band



24

30

32

#### PTO & MOWER LIFT GROUP \_

Lift Lever, PTO Levers & Rod. Cable Assy. & Pulleys



#### SEAT & DECK GROUP .......

(Mfg. Nos. 1691330 & 1691198) Seat, Deck, Hinges,

Latches

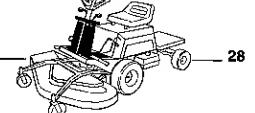


(Mig. Nos. 1691457 & 1691458)

Seat, Deck, Hinges, Latches



Steering Column Housing, Console, Throttle Cables, Shift Cable, Handles & Levers



#### ELECTRICAL GROUP \_\_\_

(Mfg. Nos. 1691330 & 1691198)

Wiring Harness, Safety Switch, Battery, Solenoid, Micro Circuits, Circuit Breaker, Ignition Switch

#### ELECTRICAL GROUP \_\_\_\_

(Mfg. Nos. 1691457 & 1691458)

Wiring Harness, Safety Switch, Battery, Solenoid, Micro Circuits, Circuit Breaker, Ignition Switch



#### 42" MOWER DECK & ARBOR GROUP.

Deck, Belt Covers, Deflectors, Baffles, Guard, Arbors & Blades

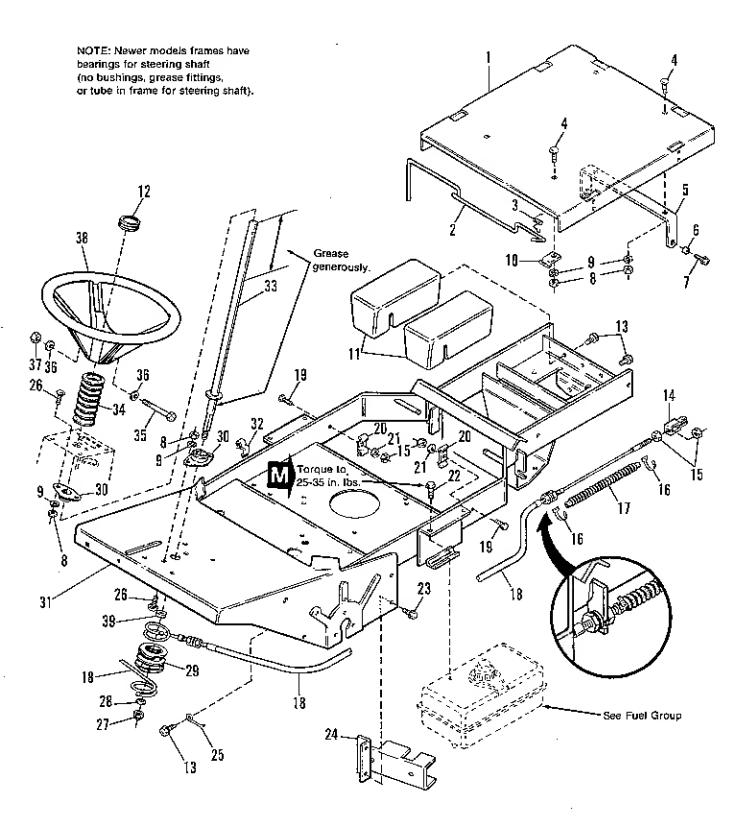
A-111495 12 38 14 WAS THE REAL PROPERTY OF THE PARTY OF THE PA Torque to 25\_35 in. Ibs. 16 Weldment on frame. 23 See Fuel Group 27

| Ref. | Part    |      |  |
|------|---------|------|--|
| No.  | No.     | Qty. | Description  |
| 1    | 1678367 | 1    | PLATFORM   |
| 2    | 1678389 | i    | ROD, Latch, Platform                                 |
| 3    | 1678390 | i    | SPRING, Torsion, Latch Rod                           |
| 4    | 1931333 | 4    | BOLT, Carriage, 5/16-18 x 3/4                        |
| 5    | 1678368 | 1    | BRACKET, Pivot, Platform                             |
| 6    | 108717  | 2    | SPACER, Pivot Bracket                                |
| 7    | 1923683 | 2    | CAPSCREW, Taptite, 3/8-16 x 3/4                      |
| 8    | 1917372 | 4    | NUT, Hex, 5/16-18                                    |
| 9    | 1917356 | 4    | LOCKWASHER, 5/16                                     |
| 10   | 1664004 | 2    | CLIP, Latch Rod                                      |
| 11   | 1004004 | 2    | WEIGHT, Rear (Order Mfg. No. 169129                  |
| 1.   |         | 4    | thru Wholegoods)                                     |
| 12   | 1657017 | 1    | CAP, Steering Wheel                                  |
| 13   | 1664847 | 2    |  |
| 14   | 1678377 | 2    | SCREW, Taptite, 5/16-18 x 3/4 CLEVIS, Steering Cable |
| 15   | 1916622 | 6    | NUT, Hex, 1/4-20                                     |
| 16   | 925094  | 4    |  |
| 17   |         | 2    | TIE, Steering Cable Boot, Self-locking               |
|      | 1700048 |      | BOOT, Rubber, Steering Cable                         |
| 18   | 1701151 | 2    | CABLE, Steering                                      |
| 19   | 1923341 | 2    | CAPSCREW, 1/4-20 x 3/4                               |
| 20   | 1933979 | 2    | CLAMP, Steering Cable                                |
| 21   | 1916964 | 2    | LOCKWASHER, 1/4                                      |
| 22   | 1678380 | 4    | SCREW, Special, Fuel Tank                            |
| 23   | 1924856 | 4    | SCREW, Taptite, 5/16-18 x 1/2                        |
| 24   | 1678449 | 2    | SUPPORT ASSY., Fuel Tank                             |
| 25   | 1678424 | 2    | RETAINER, Steering Cable                             |
| 26   | 1664847 | 2    | CAPSCREW, Taptite, 5/16-18 x 3/4                     |
| 27   | 1930648 | 1    | LOCKNUT, 1/2-13                                      |
| 28   | 1924361 | 1    | WASHER, 1/2  |
| 29   | 1678244 | 1    | DRUM, Steering Shaft                                 |
| 30   | 176440  | 3    | BUSHING, Nylon, Steering Shaft                       |
| 31   | 1685361 | 1    | FRAME ASSY.  |
| 32   | 921133  | 1    | FITTING, Lube  |
| 33   | 1678310 | 1    | STEERING SHAFT ASSY.                                 |
| 34   | 1678381 | 1    | TUBE, Cover, Steering Shaft                          |
| 35   | 1925690 | 1    | CAPSCREW, 5/16-18 x 3-1/2                            |
| 36   | 1919326 | 2    | WASHER, 5/16   |
| 37   | 1923362 | 1    | NUT, 5/16-18 Centerlock                              |
| 38   | 1670989 | 1    | STEERING WHEEL                                       |

#### \*Early Models

Used on Mig. No. 1691457 before Serial No. 001557 Used on Mig. No. 1691458 before Serial No. 001811

A-\*\*1495



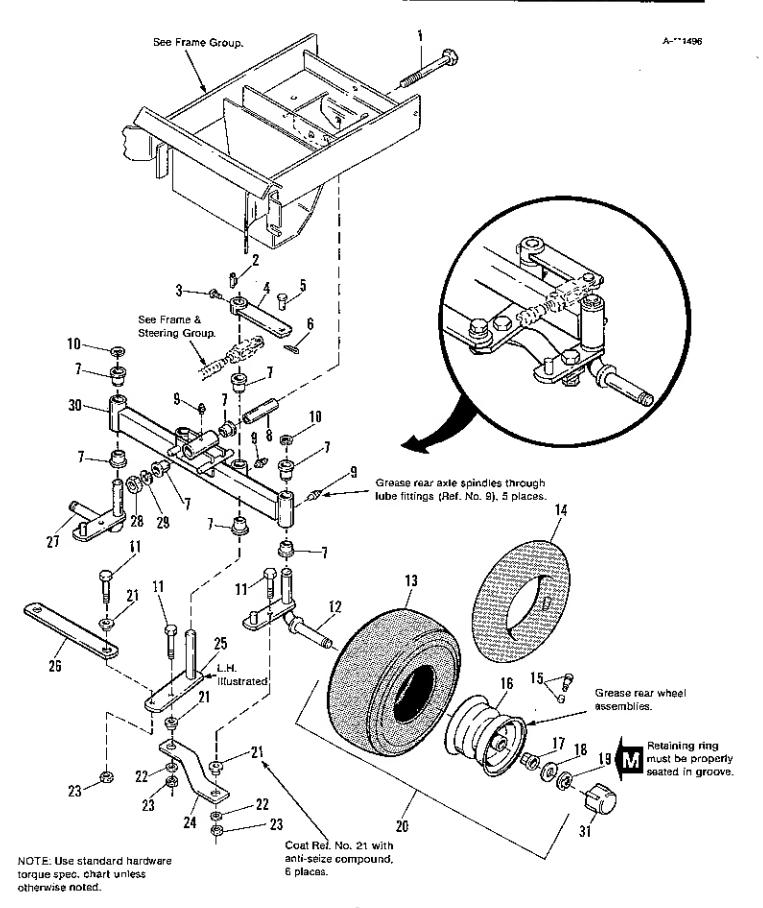


| Ref. | Part    |      |   |
|------|---------|------|---|
| No.  | No.     | Qty. | Description   |
| 1    | 1678367 | 1    | PLATFORM  |
| 2    | 1678389 | 1    | ROD, Latch, Platform                                  |
| 3    | 1678390 | 1    | SPRING, Torsion, Latch Red                            |
| 4    | 1931333 | 4    | BOLT, Carriage, 5/16-18 x 3/4                         |
| 5    | 1678368 | 1    | BRACKET, Pivot, Platform                              |
| 6    | 108717  | 2    | SPACER, Pivot Bracket                                 |
| 7    | 1923683 | 2    | CAPSCREW, Taptite, 3/8-16 x 3/4                       |
| 8    | 1917372 | 8    | NUT, Hex, 5/16-18                                     |
| 9    | 1917356 | 8    | LOCKWASHER, 5/16                                      |
| 10   | 1664004 | 2    | CLiP, Latch Rod                                       |
| 11   |         | 2    | WEIGHT, Rear (Order Mfg. No. 1691293 thru Wholegoods) |
| 12   | 1657017 | 1    | CAP, Steering Wheel                                   |
| 13   | 1664847 | 4    | SCREW, Taptite, 5/16-18 x 3/4                         |
| 14   | 1678377 | 2    | CLEVIS, Steering Cable                                |
| 15   | 1916622 | 6    | NUT, Hex. 1/4-20                                      |
| 16   | 925094  | 4    | TIE, Steering Cable Boot, Self-locking                |
| 17   | 1700048 | 2    | BOOT, Rubber, Steering Cable                          |
| 18   | 1701151 | 2    | CABLE, Steering                                       |
| 19   | 1921960 | 2    | CAPSCREW, 1/4-20 x 1                                  |
| 20   | 1701700 | 2    | CLAMP, Steering Cable                                 |
| 21   | 1916964 | 2    | LOCKWASHER, 1/4                                       |
| 22   | 1678380 | 4    | SCREW, Special, Fuel Tank                             |
| 23   | 1924856 | 4    | SCREW, Taptite, 5/16-18 x 1/2                         |
| 24   | 1678449 | 2    | SUPPORT ASSY., Fuel Tank                              |
| 25   | 1678424 | 1    | RETAINER, Steering Cable                              |
| 26   | 1931333 | 4    | CARRIAGE BOLT, 5/16-18 x 3/4                          |
| 27   | 1960355 | 1    | NUT,ESNA, Heavy Lock, 1/2-13                          |
| 28   | 1924361 | 1    | WASHER, 1/2   |
| 29   | 1678244 | 1    | DRUM, Steering Shaft                                  |
| 30   | 1702385 | 2    | BEARING, Flange                                       |
| 31   | 1685361 | 1    | FRAME ASSY.   |
| 32   | 172436  | 2    | CLIP, Cable   |
| 33   | 1702704 | 1    | STEERING SHAFT ASSY.                                  |
| 34   | 1678381 | 1    | TUBE, Cover, Steering Shaft                           |
| 35   | 1925690 | 1    | CAPSCREW, 5/16-18 x 3-1/2                             |
| 36   | 1919326 | 2    | WASHER, 5/16  |
| 37   | 1923362 | 1    | NUT, 5/16-18 Centerlock                               |
| 38   | 1670989 | 1    | Steering wheel  |
| 39   | 1702195 | 1    | SPACER  |

#### \*Later Models

Used on Mtg. No. 1691457 atter Serial No. 001556 Used on Mtg. No. 1691458 atter Serial No. 001810

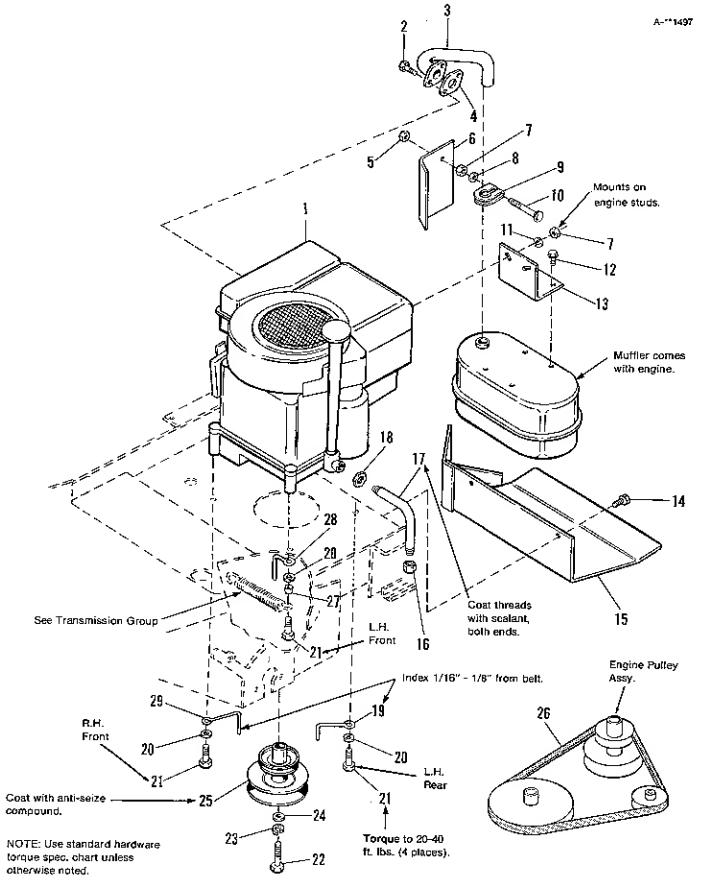






| Ref. | Part    |      |  |
|------|---------|------|--|
| No.  | No.     | Qty. | Description                                      |
| 1    | 1926158 | 1    | CAPSCREW, 1/2-13 x 4                             |
| 2    | 930672  | 2    | KEY, Hi-Pro, 3/16 x 5/8                          |
| 3    | 1928804 | 2    | SETSCREW, Sq. Hd., 1/4-20 x 3/8                  |
| 4    | 1677915 | 2    | STEERING ARM ASSY., Upper                        |
| 5    | 1960261 | 2    | PIN, Steering Arm                                |
| 6    | 1918445 | 2    | COTTER PIN, 1/2                                  |
| 7    | 176440  | 10   | BUSHING, Nylon                                   |
| 8    | 1678228 | 1    | TUBE, Pivot Support                              |
| 9    | 921133  | 5    | FITTING, Lube                                    |
| 10   | 927794  | 2    | E-RING, Retaining                                |
| 11   | 1920415 | 6    | CAPSCREW, Hex, 3/8-16 x 1-1/4                    |
| 12   | 1677914 | 1    | SPINDLE ASSY., L.H.                              |
| 13   | 1672269 | 2    | TIRE, Turf, 4.10/3.50-4 (Carlisle)               |
| 14   | 159141  | 2    | TUBE, 4.10/3.50-4 (Service Only) (See note below |
| 15   | 172353  | 2    | VALVE STEM & CAP                                 |
| 16   | 1679712 | 2    | WHEEL ASSY. (Incl. Ref. No. 17)                  |
| 17   | 1679713 | 4    | BEARING, Wheel                                   |
| 18   | 960202  | 2    | WASHER, Wheel                                    |
| 19   | 927794  | 2    | E-RING, Retaining, Wheel                         |
| 20   | 1679698 | 2    | WHEEL & TIRE ASSY., 4,10/3,50-4                  |
| 21   | 1678333 | 6    | SPACER   |
| 22   | 1924940 | 4    | WASHER, 3/8                                      |
| 23   | 1930651 | 6    | LOCKNUT, 3/8-16                                  |
| 24   | 1678313 | 2    | TIE ROD  |
| 25   | 1677918 | 1    | STEERING ARM ASSY., L.H. (Shown)                 |
|      | 1677919 | 1    | STEERING ARM ASSY., R.H. (Not Shown)             |
| 26   | 1678072 | 1    | DRAG LINK  |
| 27   | 1677911 | 1    | SPINDLE ASSY., R.H.                              |
| 28   | 1916951 | 1    | NUT, 1/2-13                                      |
| 29   | 1916966 | 1    | LOCKWASHER, 1/2                                  |
| 30   | 1677905 | 1    | REAR AXLE ASSY.                                  |
| 31   | 1673333 | 2    | CAP, Threaded                                    |

NOTE: Simplicity Tire Sealant can be used to repair tires in place of tubes. See inside front cover of this manual for part number.



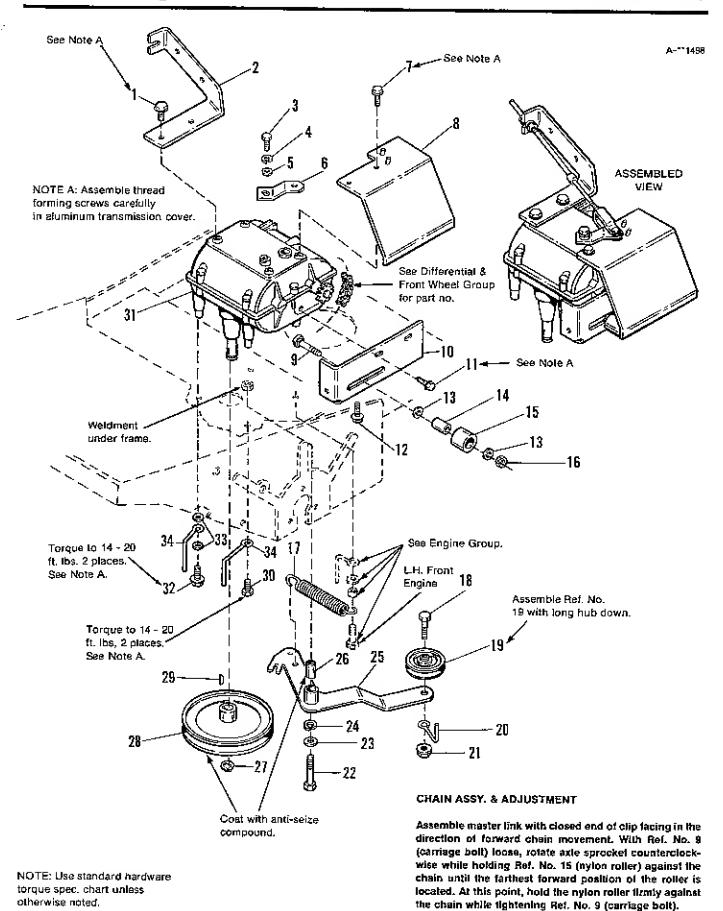


| Ref. | Part    |      |  |
|------|---------|------|--|
| No.  | No.     | Oty. | Description  |
| 1    |         | *1   | ENGINE, 12 HP (Briggs & Stratton) (Includes muffler) |
|      |         | *1   | ENGINE, 8 HP (Briggs & Stratton) (includes muffler)  |
|      |         | **1  | ENGINE, 12 HP (Tecumseh) (Includes muffler)          |
| 2    | 1930591 | 2    | SCREW, Whizlock, 5/16-18 x 3/4 (12 HP only)          |
|      | 1960295 | 2    | SCREW, Whizlock, 1/4-20 x 5/8 (8 HP only)            |
| 3    | 1655860 | 1    | PIPE, Exhaust (12 HP Briggs & Stratton only)         |
|      | 1700455 | 1    | PIPE, Exhaust (8 HP Briggs & Stratton only)          |
| 4    | 1650670 | 1    | GASKET, Muffler (12 HP Briggs & Stratton only)       |
|      | 1700456 | 1    | GASKET, Muffler (8 HP Briggs & Stratton only)        |
| 5    | 1923362 | 1    | LOCKNUT, 5/16-18                                     |
| 6    | 1700396 | 1    | SHIELD, Heat (Muffler)                               |
| 7    | 1917372 | 3    | NUT, Hex, 5/16-18                                    |
| 8    | 1917642 | 1    | WASHER, Plain, 5/16                                  |
| 9    | 1676183 | 1    | CLAMP  |
| 10   | 1931342 | 1    | BOLT, Carriage, 5/16-18 x 2-3/4                      |
| 11   | 1917356 | 2    | LOCKWASHER, 5/16                                     |
| 12   | 1927429 | 4    | SCREW, Taptite, 1/4-20 x 5/8                         |
| 13   | 1700164 | 1    | BRACKET, Muffler                                     |
| 14   | 1924856 | 2    | SCREW, Taptite, 5/16-18 x 1/2                        |
| 15   | 1700232 | 1    | HEAT SHIELD ASSY. (Briggs & Stratton only)           |
|      | 1679891 | 1    | HEAT SHIELD ASSY. (Tecumseh only)                    |
| 16   | 1667346 | 1    | CAP, Hex, 3/8  |
| 17   | 1664989 | 1    | DRAIN, Oil   |
| 18   | 1932849 | 1    | LOCKNUT, Conduit, 3/8                                |
| 19   | 1678306 | 1    | STOP, Belt   |
| 20   | 1924940 | 3    | WASHER, 3/8  |
| 21   | 930598  | 4    | SCREW, Taptite, 3/8-16 x 1-1/2                       |
| 22   | 1920353 | 1    | CAPSCREW, Hex, 7/16-20 x 1-1/2                       |
|      |         |      | (Briggs engines only)                                |
|      | 1922128 | 1    | CAPSCREW, Hex, 3/8-24 x 1-1/2                        |
|      |         |      | (Tecumseh engines only)                              |
| 23   | 1918199 | 1    | LOCKWASHER, 7/16 (Briggs engines only)               |
|      | 1916965 | 1    | LOCKWASHER, 3/8 (Tecumseh engines only)              |
| 24   | 1933263 | 1    | WASHER, 3/8  |
| 25   | 1678163 | 1    | PULLEY ASSY., Engine                                 |
| 26   | 1678354 | 1    | BELT, Transmission Drive                             |
| 27   | 1666804 | 1    | SPACER   |
| 28   | 1678435 | 1    | STOP, Belt   |
| 29   | 172844  | 1    | STOP, Beft   |

<sup>\*</sup>See your local Briggs & Stratton distributor for engine parts & service.

<sup>\*\*</sup>See your local Tecumseh distributor for engine parts & service, including mulfler, gasket, hardware, etc.



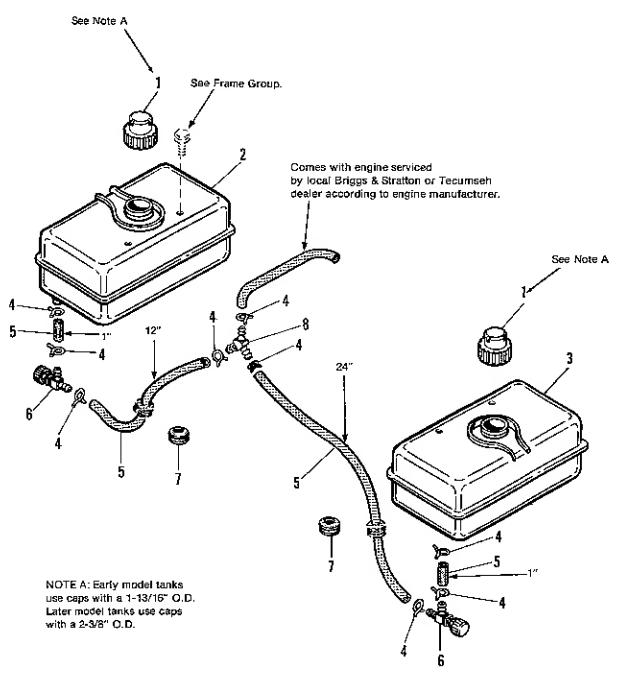




| Ref. | Part                 |      |                                    |
|------|----------------------|------|------------------------------------|
| No.  | No.                  | Qty. | Description                        |
| 1    | 1930601              | 2    | SCREW, Taptite, 5/16-18 x 5/8      |
| 2    | 1678285              | 1    | BRACKET, Cable                     |
| 3    | 1922234              | 1    | CAPSCREW, Hex, 1/4-28 x 5/8        |
| 4    | 1916964              | 1    | LOCKWASHER, 1/4                    |
| 5    | 1919381              | 1    | WASHER, 5/16                       |
| 5    | 1678283              | 1    | LEVER, Shift                       |
| 7    | 1924856              | 2    | SCREW, Taptite, 5/16-18 x 1/2      |
| 8    | 1678372              | 1    | GUARD, Chain                       |
| 9    | 1960315              | 1    | CARRIAGE BOLT, 3/8-16 x 2.0        |
| 10   | 1677867              | 1    | SUPPORT, Transmission              |
| 11   | 1927429              | 2    | SCREW, Taptite, 1/4-20 x 5/8       |
| 12   | 1664847              | 2    | SCREW, Taptite, 5/16-18 x 1/2      |
| 13   | 1922611              | 2    | WASHER, 3/8                        |
| 14   | 17036 <del>9</del>   | 1    | SPACER                             |
| 15   | 170177               | 1    | ROLLER, Nylon                      |
| 16   | 1930651              | 1    | NUT, Hex Jam Lock, 3/8-16          |
| 17   | 1676351              | 1    | SPRING                             |
| 18   | 1921 <del>9</del> 71 | 1    | CAPSCREW, 3/8-15 x 1-3/4           |
| 19   | 1668827              | 1    | PULLEY, Idler                      |
| 20   | 1656054              | 1    | STOP, Belt                         |
| 21   | 1930645              | 1    | NUT, Flange Lock, 3/8-16           |
| 22   | 1922130              | 1    | CAPSCREW, 3/8-16 x 2-1/4           |
| 23   | 1924940              | 1    | WASHER, 3/8                        |
| 24   | 1916803              | 1    | LOCKWASHER, 3/8                    |
| 25   | 1678054              | 1    | CLUTCH ARM ASSY.                   |
| 26   | 1678057              | 1    | SPACER                             |
| 27   | 927103               | 1    | RING, Retaining                    |
| 28   | 1678350              | 1    | PULLEY ASSY., Transmission         |
| 29   | 905123               | 1    | KEY, Woodruff No. 9                |
| 30   | 1930591              | 2    | SCREW, Hex Whizlock, 5/16-18 x 3/4 |
| *31  |                      | 1    | TRANSMISSION, 5 Speed              |
| 32   | 1927477              | 2    | SCREW, Taptite, 5/16-18 x 1        |
| 33   | 1917642              | 2    | WASHER, Plain, 5/16                |
| 34   | 172845               | 2    | STOP, Belt                         |

<sup>\*</sup>Refer to page 50 for parts breakdown. See your local Tecumseh/Peerless distributor for parts and service.

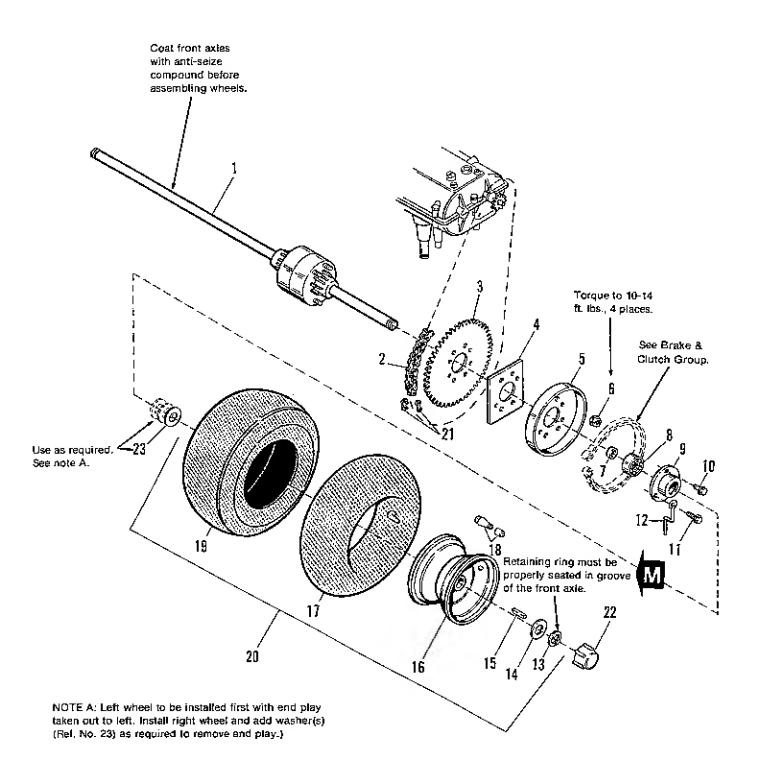
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| Ref. | Part    |      |  |
|------|---------|------|--|
| No.  | No.     | Qty. | Description                                    |
| 1    | 1702507 | 2    | CAP, Fuel Tank (Later models 2-3/8" Q.D.)      |
|      | 1678454 | 2    | CAP, Fuel Tank (Earlier Models 1-13/16" O.D.)  |
| 2    | 1702509 | 1    | TANK, Fuel (R.H.) (Incl. Cap Part No. 1702507) |
| 3    | 1702508 | 1    | TANK, Fuel (L.H.) (Incl. Cap Part No. 1702507) |
| 4    | 1960112 | 9    | CLAMP, Hose                                    |
| 5    | 1676861 | 2    | HOSE, Fuel, 45-1/2" (cut to length)            |
| 6    | 1678455 | 2    | VALVE, Shutoff                                 |
| 7    | 1650793 | 2    | GROMMET  |
| 8    | 1678320 | 1    | FITTING, Tee                                   |

A-11500



NOTE: Use standard hardware torque spec, chart unless otherwise noted.

NOTE: See Chain Assy. & Adjustment note on page 10.

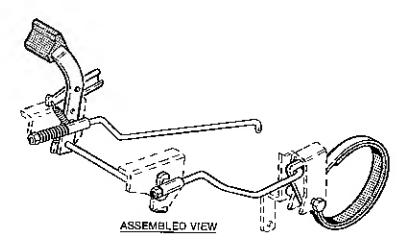


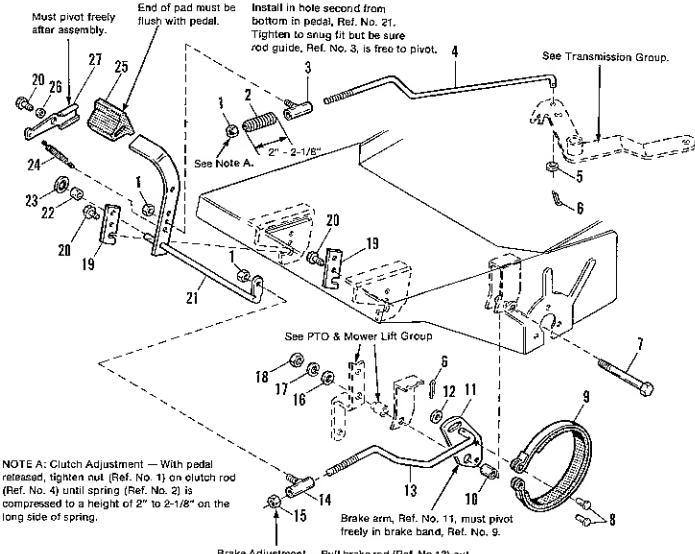
| Ref. | Part    |      |   |
|------|---------|------|---|
| No.  | No.     | Qty. | Description                               |
| *1   |         | 1    | AXLE ASSY., Differential                  |
| 2    | 1678376 | 1    | CHAIN, Roller                             |
| 3    | 1668296 | 1    | SPROCKET, 54 Tooth                        |
| 4    | 1678408 | 1    | SHIM, Sprocket                            |
| 5    | 1668295 | 1    | DRUM, Brake                               |
| 6    | 1935048 | 4    | NUT, Flange Lock, 5/16-18                 |
| 7    | 1701772 | 1    | SPACER, Axle                              |
| 8    | 108202  | 2    | BEARING                                   |
| 9    | 1665696 | 2    | FLANGE, Bearing                           |
| 10   | 1924856 | 5    | SCREW, Taptite, 5/16-18 x 1/2             |
| 11   | 1925359 | ٦    | SCREW, Taptite, 5/16-18 x 3/4             |
| 12   | 1678447 | 7    | STOP, Brake Band                          |
| 13   | 927794  | 2    | RING, Retaining, Wheel                    |
| 14   | 960202  | 3    | WASHER, 3/4                               |
| 15   | 8221042 | 2    | KEY, 3/16 x 3/16 x 1-1/2                  |
| 16   | 1701322 | 2    | WHEEL ASSY.                               |
| 17   | 1664090 | 2    | TUBE (Service Only) (See note below.)     |
| 18   | 172353  | 2    | VALVE STEM & CAP                          |
| 19   | 1700099 | 2    | TIRE, 15 x 6.00-6                         |
| 20   | 1701321 | 2    | WHEEL & TIRE ASSY., 15 x 6,00-6           |
| 21   | 1701112 | 1    | MASTER LINK, Chain                        |
| 22   | 1673333 | 2    | CAP, Threaded                             |
| 23   | 1960114 | 3    | WASHER, Shim, 3/4 x 1-1/16 (Use as needed |

<sup>\*</sup>See page 52 for parts breakdown. For parts & service see your local Tecumsets/ Peerless distributor.

NOTE: Simplicity Tire Sealant can be used to repair tires in place of tubes. See inside front cover of this manual for part number.

A-\*\*1501





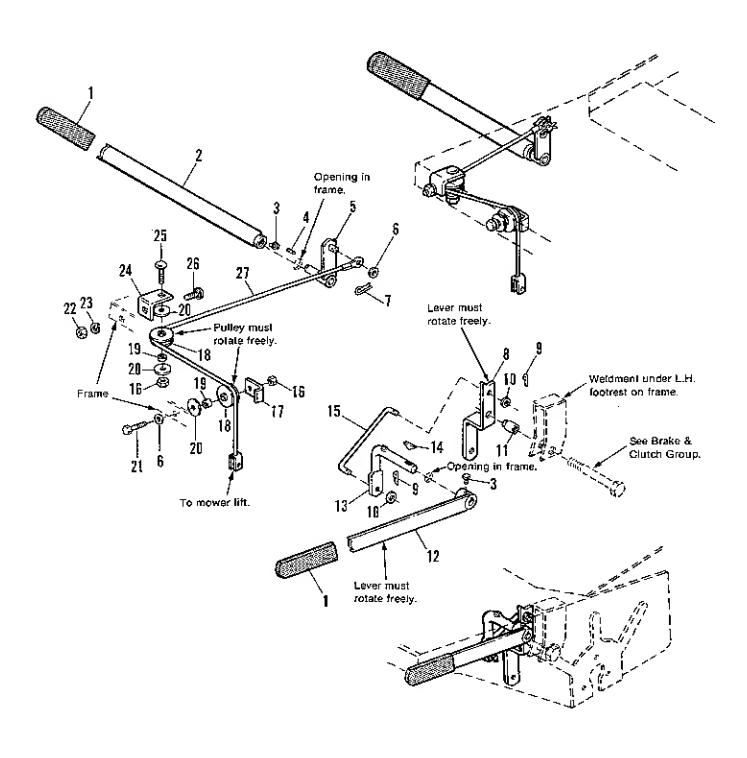
NOTE: Use standard hardware lorque spec, chart unless otherwise noted.

Brake Adjustment — Pull brake rod (Ref. No. 13) out as far as possible and tighten nut (Ref. No. 15) until there is a 11/32" to 13/32" gap between nut (Ref. No. 15) and rod guide (Ref. No. 14).



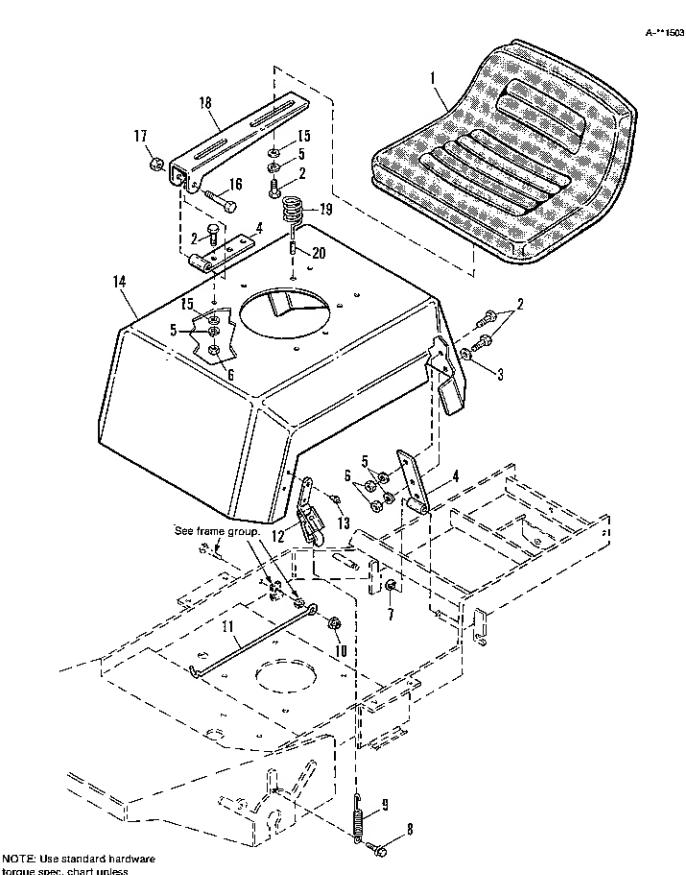
| Ref. | Part    |      |                                 |
|------|---------|------|---------------------------------|
| No.  | No.     | Qty. | Description                     |
| 1    | 1923362 | 3    | NUT, Hex Lock, 5/16-18          |
| 2    | 157041  | 1    | SPRING                          |
| 3    | 164094  | 1    | GUIDE ASSY., Rod                |
| 4    | 1678287 | 1    | ROD, Clutch                     |
| 5    | 1919326 | 1    | WASHER, 11/32 x 3/4             |
| 6    | 1918447 | 2    | PIN, Cotter, 3/4                |
| 7    | 1960286 | 1    | CAPSCREW, 1/2-13 x 3-1/2, Gr. 5 |
| 8    | 1667132 | 2    | PIN                             |
| 9    | 1679357 | 7    | BAND ASSY., Brake               |
| 10   | 1678409 | 1    | SPACER                          |
| 11   | 1678279 | 1    | LINK, Brake Arm                 |
| 12   | 1917378 | 1    | WASHER, 3/8                     |
| 13   | 1678284 | 1    | ROD, Brake                      |
| 14   | 1700114 | 1    | GUIDE ASSY., Rod                |
| 15   | 1919439 | 1    | NUT, Hex Lock, 3/8-16           |
| 16   | 1676435 | 1    | WASHER, 1/2                     |
| 17   | 1916966 | 1    | LOCKWASHER, 1/2                 |
| 18   | 1916951 | 1    | NUT, Hex, 1/2-13                |
| 19   | 1678327 | 2    | BRACKET, Brake                  |
| 20   | 1924856 | 5    | SCREW, Taptite, 5/16-18 x 1/2   |
| 21   | 1678326 | 1    | SHAFT ASSY., Brake              |
| 22   | 1678328 | 1    | SPACER                          |
| 23   | 1960260 | 1    | NUT, Push                       |
| 24   | 1678341 | 1    | SPRING                          |
| 25   | 1666664 | 1    | PAD, Pedal                      |
| 26   | 1665844 | 1    | SPACER                          |
| 27   | 1678340 | 1    | LATCH, Brake                    |

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| Rei.          | Part    |      |                               |
|---------------|---------|------|-------------------------------|
| No.           | No.     | Qty. | Description                   |
| 1             | 1665835 | 2    | GRIP                          |
| 2             | 1678255 | 1    | LEVER ASSY., Lift             |
| 3             | 1928804 | 2    | SET SCREW, 1/4-20 x 3/8       |
| 4             | 918312  | 1    | KEY, 3/16 x 5/8               |
| 5             | 1678258 | 1    | LEVER ASSY.                   |
| 6             | 1917377 | 2    | WASHER, 1/4                   |
| 7             | 1960221 | 1    | PIN, Quick                    |
| 8             | 1678400 | 1    | LEVER, PTO                    |
| 9             | 1918447 | 2    | PIN, Cotter, 3/4              |
| 10            | 1917642 | 2    | WASHER, 5/16                  |
| 11            | 1678401 | 1    | SPACER                        |
| 12            | 1678402 | 1    | LEVER ASSY., PTO              |
| 13            | 1678404 | 1    | LEVER, PTO                    |
| 14            | 928637  | 1    | KEY, Hi-Pro, 5/32 x 5/8       |
| 15            | 1678330 | 1    | ROD, PTO                      |
| <sup>16</sup> | 1923358 | 2    | NUT, Hex, Lock, 1/4-20        |
| 17            | 1678448 | 1    | GUIDE, Cable                  |
| 18            | 1678335 | 2    | PULLEY, Lift Cable            |
| 19            | 1678392 | 2    | SPACER                        |
| 20            | 1960151 | 3    | WASHER, 1/4                   |
| 21            | 1921960 | 1    | CAPSCREW, 1/4-20 x 1.0        |
| 22            | 1917372 | 1    | NUT, Hex, 5/16-18             |
| 23            | 1917356 | 1    | LOCKWASHER, 5/16              |
| 24            | 1678263 | 1    | BRACKET, Pulley               |
| 25            | 1931320 | 1    | CARRIAGE BOLT, 1/4-20 x 1-1/4 |
| 26            | 1960282 | 1    | CARRIAGE BOLT, 5/16-18 x 3/4  |
| 27            | 1678334 | 1    | CABLE ASSY., Lift             |

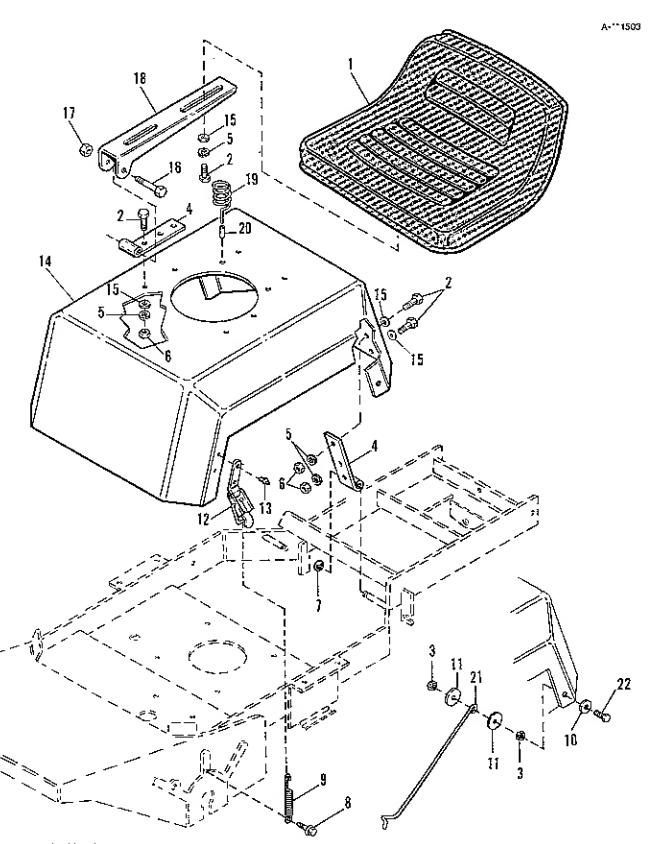


torque spec, chart unless otherwise noted.



| Ref.<br>No. | Part<br>No. | Qty. | Description                                  |
|-------------|-------------|------|--|
|             | 4708046     |      |  |
| 1           | 1700618     | 1    | SEAT (Used on 1691330 and on                 |
|             | 4070500     | _    | 1691198 after serial no. 1069.)              |
|             | 1676538     | 1    | SEAT (Used on 1691198 before serial no. 1070 |
| 2           | 1921332     | 12   | CAPSCREW, 5/16-18 x 3/4                      |
| 3           | 1919381     | 2    | WASHER                                       |
| 4           | 1678415     | 4    | HINGE, Seat Deck                             |
| 5           | 1917356     | 12   | LOCKWASHER, 5/16                             |
| 6           | 1917372     | 12   | NUT, Hex, 5/16-18                            |
| 7           | 932724      | 2    | RING, Retaining                              |
| 8           | 1924856     | 2    | SCREW, Taptite, 5/16-18 x 1/2                |
| 9           | 1678416     | 2    | SPRING, Latch                                |
| 10          | 1930642     | 1    | NUT, Flange, Lock, 1/4-20                    |
| 11          | 1679941     | 1    | ROD, Deck Latch                              |
| 12          | 1678417     | 2    | LATCH, Seat, Pull Tight                      |
| 13          | 1675044     | 4    | RIVET, Seat Latch                            |
| 14          | 1678361     | 1    | DECK, Seat                                   |
| 15          | 1917642     | 8    | WASHER, Flat, 5/16                           |
| 16          | 1923701     | 2    | CAPSCREW, 3/8-16 x 2                         |
| 17          | 1930651     | 2    | NUT, Hex Lock, 3/8-16                        |
| 18          | 1666200     | 2    | HINGE, Upper, Seat                           |
| 19          | 1666690     | 2    | SPRING, Seat                                 |
| 20          | 1666691     | 2    | COVER, Spring                                |

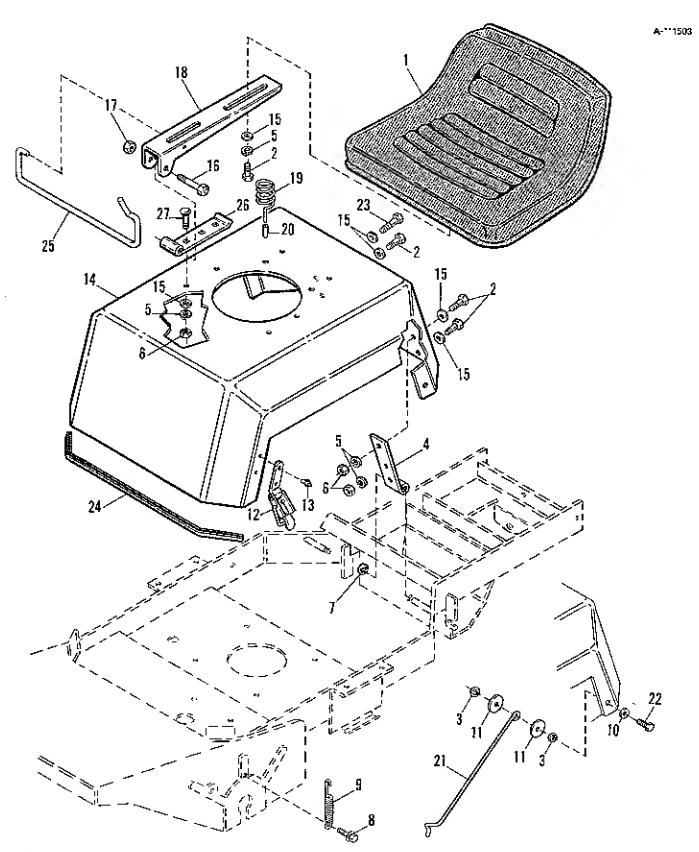






| Ref. | Part    |      |                               |
|------|---------|------|-------------------------------|
| No.  | No.     | Qly. | Description                   |
| 1    | 1700618 | 1    | SEAT                          |
| 2    | 1921332 | 12   | CAPSCREW, 5/16-18 x 3/4       |
| 3    | 1923358 | 2    | NUT, Hex Centerlock, 1/4-20   |
| 4    | 1678415 | 4    | HINGE, Seat Deck              |
| 5    | 1917356 | 12   | LOCKWASHER, 5/16              |
| 6    | 1917372 | 8    | NUT, Hex, 5/16-18             |
| 7    | 932724  | 2    | RING, Retaining               |
| 8    | 1924856 | 2    | SCREW, Taptite, 5/16-18 x 1/2 |
| 9    | 1678416 | 2    | SPRING, Latch                 |
| 10   | 1917377 | 1    | WASHER, 1/4 x 3/4             |
| 11   | 1960151 | 2    | WASHER, 1/4 x 1-1/4           |
| 12   | 1678417 | 2    | LATCH, Seat, Pull Tight       |
| 13   | 1675044 | 4    | RIVET, Seat Latch             |
| 14   | 1701405 | 1    | DECK, Seat                    |
| 15   | 1917642 | 12   | WASHER, Flat, 5/16            |
| 16   | 1923701 | 2    | CAPSCREW, 3/8-16 x 2          |
| 17   | 1930651 | 2    | NUT, Hex Lock, 3/8-16         |
| 18   | 1666200 | 2    | HINGE, Upper, Seat            |
| 19   | 1666690 | 2    | SPRING, Seat                  |
| 20   | 1666691 | 2    | COVER, Spring                 |
| 21   | 1701280 | 1    | ROD, Seat Deck                |
| 22   | 1921960 | 1    | CAPSCREW, Hex, 1/4-20 x 1     |







| Ref.       | Part    |      |                               |  |
|------------|---------|------|-------------------------------|--|
| No.        | No.     | Qty. | Description                   |  |
| 1          | 1700618 | 1    | SEAT                          |  |
| 2          | 1921332 | 12   | CAPSCREW, 5/16-18 x 3/4       |  |
| 3          | 1923358 | 2    | NUT, Hex Centerlock, 1/4-20   |  |
| 4          | 1678415 | 2    | HINGE, Seat Deck              |  |
| 5          | 1917356 | 12   | LOCKWASHER, 5/16              |  |
| 6          | 1917372 | 8    | NUT. Hex. 5/18-18             |  |
| 7          | 932724  | 2    | RING, Retaining               |  |
| 8          | 1924856 | 2    | SCREW, Taptite, 5/16-18 x 1/2 |  |
| 9          | 1702722 | 2    | SPRING, Latch                 |  |
| 10         | 1917377 | 1    | WASHER, 1/4 x 3/4             |  |
| 11         | 1960151 | 2    | WASHER, 1/4 x 1-1/4           |  |
| 12         | 1678417 | 2    | LATCH, Seat, Pull Tight       |  |
| 13         | 1675044 | 4    | RIVET, Seat Latch             |  |
| 14         | 1701405 | 1    | DECK, Seat                    |  |
| <b>1</b> 5 | 1917642 | 12   | WASHER, Flat, 5/16            |  |
| 16         | 1923701 | 2    | CAPSCREW, 3/8-16 x 2          |  |
| 17         | 1930651 | 2    | NUT, Hex Lock, 3/8-16         |  |
| 18         | 1701559 | 2    | HINGE, Upper, Seat            |  |
| 19         | 1666690 | 2    | SPRING, Seat                  |  |
| 20         | 1666691 | 2    | COVER, Spring                 |  |
| 21         | 1701280 | 1    | ROD, Seat Deck                |  |
| 22         | 1921960 | 1    | CAPSCREW, Hex, 1/4-20 x 1     |  |
| 23         | 1921333 | 1    | CAPSCREW, Hex, 5/16-18 x 1    |  |
| 24         | 1702158 | 1    | MOULDING, Deck                |  |
| 25         | 1701509 | 1    | LATCH, Seat                   |  |
| 26         | 1701560 | 2    | HINGE, Lower                  |  |
| 27         | 1960282 | 4    | BOLT, Carriage, 5/16-18 x 3/4 |  |

torque spec, chart unless

otherwise noted.

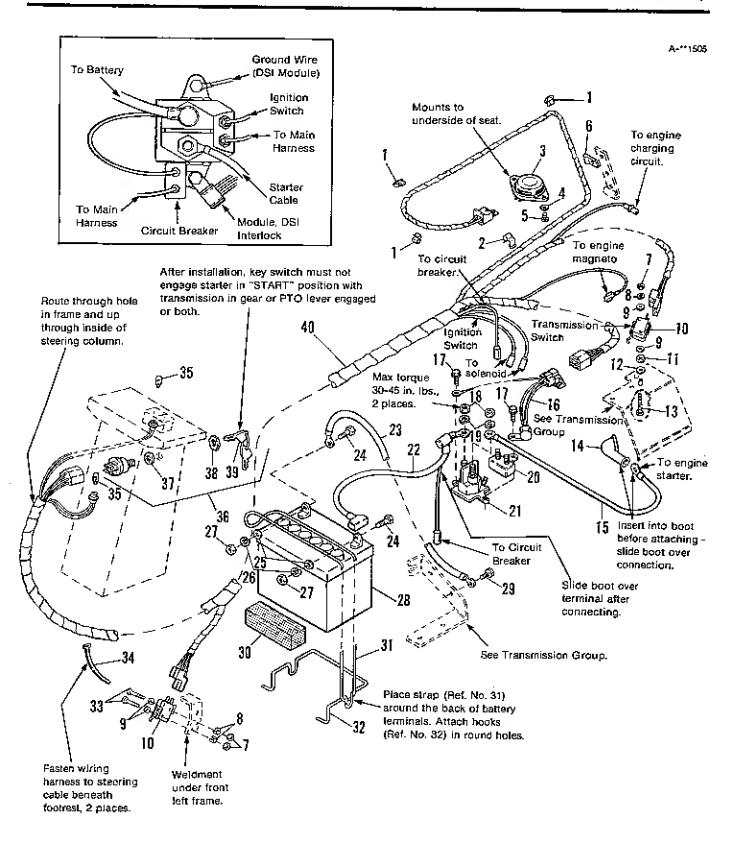
32

A-''1504 Transmission MUST remain in neutral when shift lever (Rel. No. 2) is against upper & lower neutral ASSEMBLED VIEW stops of steering column console (Ref. No. 36). NOTE: When assembling Ref. No. 38, be sure cupped side of spacer faces shift lever (Ref. No. 13). Lubricate Throttle cable should be adjusted for maximum engine speed when throttle arm 22 (Ref. No. 19) is against Attach cable detent in console (Ref. No. 36). to inside of steering column. 35, NOTE: Use standard hardware



| Ref.<br>No. | Part<br>No. | Qly. | Description   |
|-------------|-------------|------|---|
| 1           | 1678365     | 2    | KNOB, Control   |
| 2           | 1701278     | 1    | ROD ASSY., Shift (1691457 & 1691458)                    |
| _           | 1678427     | 1    | ROD ASSY., Shift (1691198 & 1691330)                    |
| 3           | 1924433     | ż    | NUT, Hex, Fiber Lock, 5/16-18                           |
| 4           | 1665889     | 1    | SPACER  |
| 5           | 1685327     | i    | PIVOT, Shift (Incl. Ref. No. 38)                        |
| 6           | 1678425     | i    | SPACER  |
| 7           | 1678429     | i    | SPRING, Torsion   |
| 8           | 1917642     | i    | WASHER, Flat, 5/16                                      |
| 9           | 1922127     | i    | CAPSCREW, Hex, 5/16-18 x 1-3/4                          |
| 10          | 1917458     | i    | WASHER, #6, Plain                                       |
| 11          |             | 2    |   |
|             | 1678360     |      | WASHER, Nylon, 33/64 x 1                                |
| 12          | 1960221     | 2    | PIN, Quick  |
| 3           | 1678283     | 1    | LEVER, Shift  |
| 4           | 1960261     | 2    | PIN   |
| 5           | 1678377     | 2    | CLEVIS  |
| 16          | 1678436     | 2    | NUTS, Special #10-32                                    |
| 7           | 1700860     | 2    | NUT, Coliar   |
| 18          | 1678288     | 1    | CABLE, Transmission                                     |
| 19          | 1678362     | 1    | THROTTLE ARM  |
| 20          | 1917377     | 2    | WASHER, 1/4   |
| 21          | 1923358     | 1    | LOCKNUT, 1/4-20   |
| 22          | 1678371     | 1    | CABLE, Throttle   |
| 23          | 1930531     | 1    | SCREW, Rd. Hd., #10-32 x 1/2                            |
| 24          | 1922711     | 1    | LOCKWASHER, Ext. Tooth #10                              |
| 25          | 158475      | 1    | CLIP, Throttle Cable                                    |
| 26          | 1923212     | 1    | WASHER, 7/32 x 1/2                                      |
| 7           | 1928919     | 1    | NUT, #10-32   |
| 28          | 1678366     | 2    | WASHER, Nylon, 17/64 x 3/4 x 7/8                        |
| 29          | 1921960     | 1    | CARRIAGE BOLT, 1/4-20 x 1                               |
| 30          | 1678245     | 1    | PANEL, Steering Column                                  |
| 31          | 1676860     | 6    | SCREW, Hex, Type AB                                     |
| 32          | 1678437     | 2    | MAT, Foot   |
| 33          | 1676647     | 5    | SPEED NUT, "U" Type                                     |
| 34          | 1924856     | 4    | SCREW, Taptite, 5/16-18 x 1/2                           |
| 35          | 1685362     | 1    | COLUMN ASSY., Steering                                  |
| 36          | 1678357     | i    | CONSOLE, Steering Column                                |
| 37          | 1678419     | à    | SCREW, Taptite, 1/4-20 x 3/4                            |
| 38          | 1700880     | 1    | SPACER (Shift Lever)                                    |
| 39          | 1700030     | 1    | NEUTRAL SWITCH ARM (1691457 & 1691458 o.                |
| 59<br>\$0   | 1930947     | 1    | LOCKWASHER, #5 Spring (1691457 & 1691458 o              |
| #0<br>\$1   | 1701328     | 1    | · · · · · · · · · · · · · · · · ·                       |
| £2          |             | 1    | FLIPPER, Switch (1691457 & 1691458 only)                |
|             | 1701275     | 2    | BRACKET, Switch (1691457 & 1691458 only)                |
| <b>f3</b>   | 1930416     | _    | SCREW, Taptite #10-32 x 3/8<br>(1691457 & 1691458 only) |
| 44          | 1935944     | 1    | SCREW, Taptite, #5-40 x 3/4<br>(1691457 & 1691458 only) |
| 45          | 1920397     | 1    | NUT, Hex Lock (ESNA) 1/4-20<br>(1691457 & 1691458 only) |
| 46          | 1917458     | 1    | WASHER, #6, Plain<br>(1691457 & 1691458 only)           |



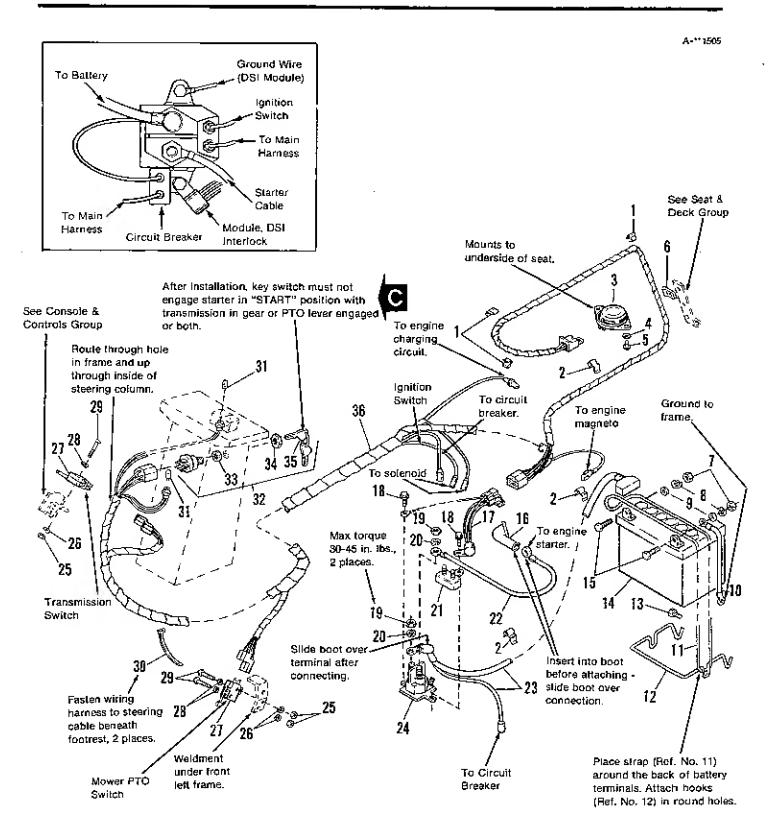




| Ref. | Part    | _    |  |
|------|---------|------|--|
| No.  | No.     | Qty. | Description  |
| 1    | 930222  | 3    | CLIP, Wire   |
| 2    | 172438  | τ    | CLIP, Wire   |
| 3    | 1700636 | 1    | SWITCH, Seat (Used on all 1691330                      |
|      |         |      | and 1691198 after serial no. 1069.)                    |
|      | 1671703 | 1    | SWITCH, Seat (Used on 1591198 before serial no. 1070.) |
| 4    | 1921880 | 2    | LOCKWASHER, Ext., 1/4                                  |
| 5    | 1926025 | 2    | SCREW, Rd. Hd., 1/4-20 x 1/2                           |
| 6    | 926918  | 1    | CLAMP, Wire  |
| 7    | 1931003 | 4    | NUT, Hex, #5-40  |
| 8    | 1930947 | 4    | LOCKWASHER, #5   |
| 9    | 1917458 | 4    | WASHER, #6   |
| 10   | 1679932 | 2    | MICRO SWITCH, Tandem                                   |
| 11   | 1923358 | 2    | LOCKNUT, Hex, 1/4-20                                   |
| 12   | 1917377 | 2    | WASHER, 1/4  |
| 13   | 1678398 | 2    | STUD, Switch, Mtg.                                     |
| 14   | 122023  | 1    | COVER, Terminal  |
| 15   | 1668819 | 1    | CABLE ASSY., (Starter)                                 |
| 16   | 1672654 | 1    | MODULE, DSI, Interlock                                 |
|      |         |      | (Used with Briggs & Stratton engine only.)             |
|      | 1700195 | 1    | MODULE, DSI, Interlock                                 |
|      |         |      | (Used with Tecumseh engine only.)                      |
| 17   | 925592  | 2    | SCREW, Taptite, 1/4-20 x 3/4, Pltd.                    |
| 18   | 920263  | 2    | NUT, Hex, 5/16-24                                      |
| 19   | 917356  | 2    | LOCKWASHER, 5/16                                       |
| 20   | 1665238 | 1    | CIRCUIT BREAKER  |
| 21   | 1700751 | 1    | SOLENOID   |
| 22   | 1677297 | 1    | CABLE ASSY. (Battery - Solenoid)                       |
| 23   | 1671158 | 1    | CABLE ASSY., (Battery Ground)                          |
| 24   | 923341  | 2    | CAPSCREW, Hex, 1/4-20 x 3/4                            |
| 25   | 917377  | 2    | WASHER, 1/4  |
| 26   | 915964  | 2    | LOCKWASHER, 1/4  |
| 27   | 916622  | 2    | NUT, Hex, 1/4-20                                       |
| 28   | 1685215 | 1    | BATTERY, 12V   |
| 29   | 924856  | 1    | SCREW, Taptite, 5/16 x 1/2                             |
| 30   | 1678391 | 1    | PAD, Foam, Battery                                     |
| 31   | 1665872 | 1    | STRAP, Battery   |
| 32   | 1667805 | 1    | BRACE, Battery   |
| 33   | 1960014 | 2    | SCREW, Rnd. Hd., #5-40 x 1-1/2                         |
| 34   | 932747  | 2    | CABLE TY-WRAP  |
| 35   | 1676130 | 2    | LAMP, Indicator  |
| 36   | 178280  | ٦    | SWITCH, Ignition (Incl. Ref. Nos. 37, 38 & 39)         |
| 37   | 918906  | 1    | LOCKWASHER, Int. 5/8                                   |
| 38   | 122234  | 1    | NUT, 5/8-32  |
| 39   | 122203  | 1    | KEYS, & RING   |
| *40  | 1700686 | 1    | WIRING HARNESS   |

<sup>\*</sup>Used on all 1691330 and on 1691198 after serial no. 1069. Mfg. No. 1691198 before serial no. 1070 requires alterations: cut seat switch connector off old wiring harness and replace the similar end on new harness with old connector.

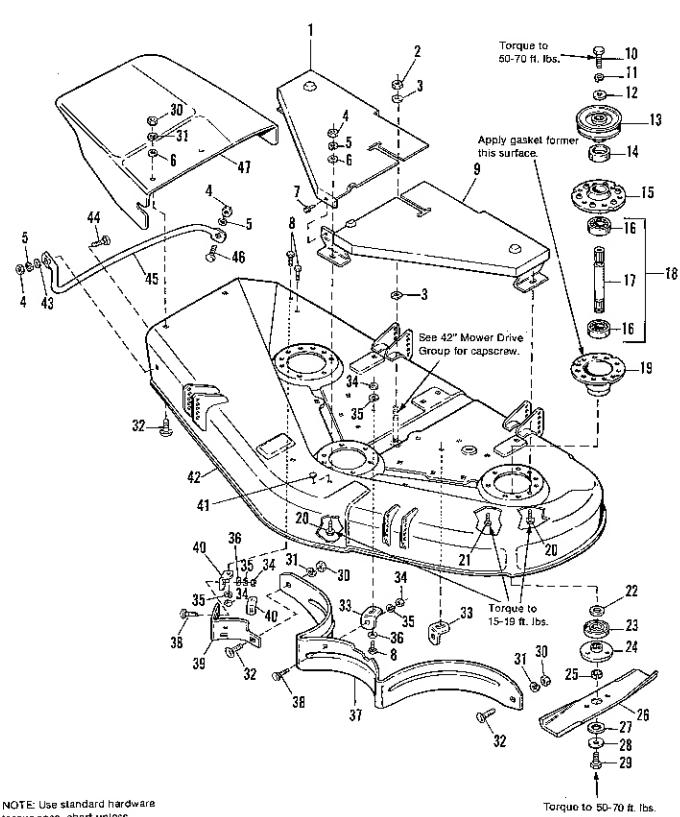






| Ref. | Part    |      |  |
|------|---------|------|--|
| No.  | No.     | Qty. | Description                                |
| 1    | 930222  | 3    | CLIP, Wire                                 |
| 2    | 172436  | 3    | CLIP, Wire                                 |
| 3    | 1700636 | 1    | SWITCH, Seat                               |
| 4    | 1921880 | 2    | LOCKWASHER, Ext., 1/4                      |
| 5    | 1926025 | 2    | SCREW, Rd. Hd., 1/4-20 x 1/2               |
| 6    | 926918  | 1    | CLAMP, Wire                                |
| 7    | 916822  | 2    | NUT, Hex, 1/4-20                           |
| 8    | 915964  | 2    | LOCKWASHER, 1/4                            |
| 9    | 917377  | 2    | WASHER, 1/4                                |
| 10   | 1671158 | 1    | CABLE ASSY. (Battery Ground)               |
| 11   | 1665872 | 1    | STRAP, Battery                             |
| 12   | 1667805 | 1    | BRACE, Battery Hold Down                   |
| 13   | 924856  | 1    | SCREW, Taptite, 5/16 x 1/2 (Zinc Pitd.)    |
| 14   | 1685215 | 1    | BATTERY, 12V                               |
| 15   | 923341  | 2    | CAP SCREW, Hex, 1/4-20 x 3/4)              |
| 16   | 122023  | 1    | COVER, Terminal                            |
| 17   | 1672654 | 1    | MODULE, DSt, Interlock                     |
| 18   | 925592  | 2    | SCREW, Taptite, 1/4-20 x 3/4, Pitd.        |
| 19   | 920263  | 2    | NUT, Hex, 5/16-24                          |
| 20   | 917356  | 2    | LOCKWASHER, 5/16                           |
| 21   | 1665238 | 1    | CIRCUIT BREAKER                            |
| 22   | 1668819 | 1    | CABLE ASSY., Starter                       |
| 23   | 1701526 | 1    | CABLE ASSY., (Battery Solenoid)            |
| 24   | 1700751 | 1    | SOLENOID                                   |
| 25   | 1931003 | 4    | NUT, Hex, #5-40                            |
| 26   | 1930947 | 4    | LOCKWASHER, #5                             |
| 27   | 1679932 | 2    | MICRO SWITCH, Tandem                       |
| 28   | 1917458 | 4    | WASHER, #6                                 |
| 29   | 1960014 | 4    | SCREW, Rnd. Hd., #5-40 x 1-1/2             |
| 30   | 932747  | 2    | CABLE TY-WRAP                              |
| 31   | 1676130 | 2    | LAMP, Indicator                            |
| 32   | 178280  | 1    | SWITCH, Ignition (Incl. Ref. Nos. 33, 34 & |
| 33   | 918906  | 1    | LOCKWASHER, Int. 5/8                       |
| 34   | 122234  | 1    | NUT, 5/8-32                                |
| 35   | 122203  | 1    | KEYS & RING                                |
| 36   | 1701286 | i    | WIRING HARNESS                             |

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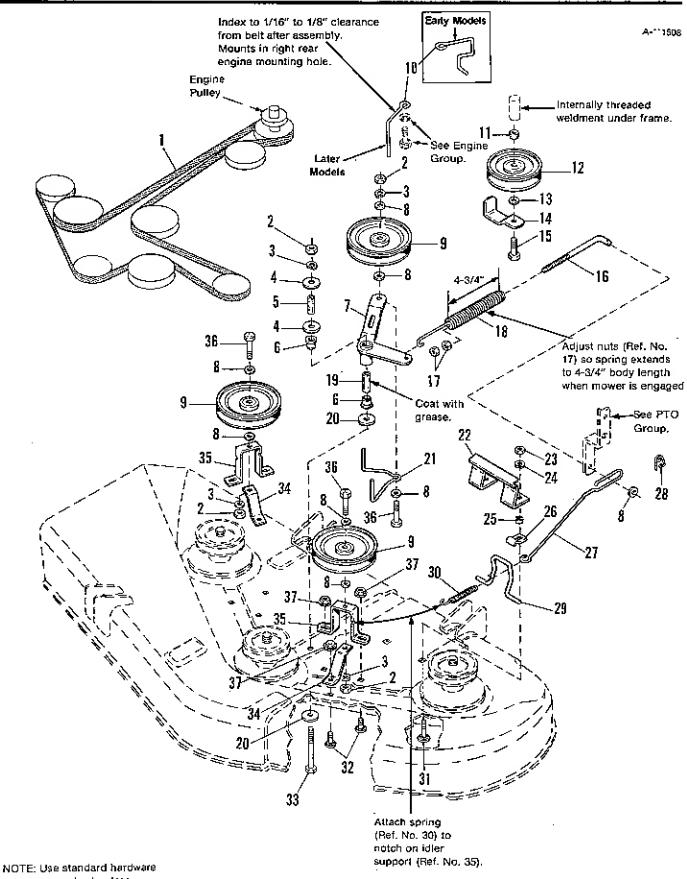


torque spec. chart unless otherwise noted.



| Ref.       | Part               |        |  |
|------------|--------------------|--------|--|
| No.        | No.                | Qty.   | Description                                  |
| 1          | 1678294            | 1      | COVER ASSY., Belt, R.H.                      |
| 2          | 1917421            | i      | NUT, Hex, Jam, 3/8-16                        |
| 3          | 1922611            | 2      | WASHER                                       |
| 4          | 1917372            | 5      | NUT, 5/16-18                                 |
| 5          | 1917356            | 5      | LOCKWASHER, 5/16                             |
| 6          | 1917378            | 5      | WASHER, 3/6                                  |
| 7          | 1927428            | ĭ      | SCREW, Taptite, 1/4-20 x 3/8                 |
| 8          | 1924009            | 4      | CAPSCREW, Hex, 1/4-20 x 7/8                  |
| 9          | 1678295            | 1      | COVER ASSY., Belt, L.H.                      |
| 10         | 1936723            | 3      | CAPSCREW, Hex, 7/16-14 x 1-3/4               |
| 11         | 1918199            | 3      | LOCKWASHER, 7/16                             |
| 12         | 1933263            | 3      | WASHER, 7/16                                 |
| 13         | 1678271            | 3      | PULLEY ASSY., Arbor                          |
| 14         | 1657969            | 3      | SHIELD, Bearing, Upper                       |
| 15         | 1655729            | 3      | HOUSING, Top (Arbor)                         |
| 16         | 108202             | 6      | BEARING                                      |
| 17         | 1685245            | 3      | SHAFT, Arbor (Incl. Ref. No. 25)             |
| 18         | 1685251            | 3      | SHAFT & BEARING ASSY.                        |
| 10         | 1000201            | •      | (Incl. Ref. Nos. 16 & 25)                    |
| 19         | 1655728            | 3      | HOUSING, Bottom (Arbor)                      |
| 20         | 1927477            | 3      | CAPSCREW, Taptite, 5/16-18 x 1               |
| 21         | 1664847            | 15     | SCREW, Taptite, 5/16-18 x 3/4                |
| 22         | 1700230            | 3      | WASHER, Shim                                 |
| 23         |                    |        | SHIELD, Grass                                |
| 24         | 1657588            | 3<br>3 |  |
| 25         | 1655777<br>1672132 | 3      | ADAPTOR, Blade<br>COLLAR, Mower Arbor        |
| 26         | 1656147            | 3      | BLADE  |
| 27         |                    | 3      |  |
| 28         | 1656927<br>1656916 | 3      | WASHER, Spline                               |
| 20<br>29   | 1923491            | 3      | WASHER, Spring<br>CAPSCREW, Hex, 7/16-14 x 1 |
| 29<br>30   |                    | 3<br>4 | •  |
|            | 1916950            | 4      | NUT, 3/8-16                                  |
| 31         | 1916965            | 4      | LOCKWASHER, 3/8                              |
| 32         | 1931348            | 2      | BOLT, Carriage, 3/8-16 x 3/4                 |
| 33         | 1608331            |        | CLIP, Baffle                                 |
| 34<br>25   | 1916622            | 8<br>8 | NUT, 1/4-20                                  |
| 35<br>ac   | 1916964            | ф<br>4 | LOCKWASHER                                   |
| 36         | 1917377            |        | WASHER, 1/4                                  |
| 37         | 1608135            | 1      | BAFFLE                                       |
| 38         | 1923333            | 4      | CARRIAGE BOLT, 1/4-20 x 5/8                  |
| 39         | 1665709            | 1      | BAFFLE, Discharge                            |
| <b>4</b> 0 | 108186             | 2      | CLIP, Baffle                                 |
| 41         | 1700841            | 2      | PLUG, Plastic                                |
| 42         | 1685307            | 1      | HOUSING ASSY., 42" Mower                     |
| 43         | 1919381            | 1      | WASHER, 5/16                                 |
| 44         | 1931335            | 1      | CARRIAGE BOLT, 5/16-18 x 1                   |
| 45         | 1665562            | 1      | GUARD, Mower Discharge                       |
| 46         | 1931333            | 1      | CARRIAGE BOLT, 5/16-18 x 3/4                 |
| 47         | 1656049            | 1      | DEFLECTOR                                    |

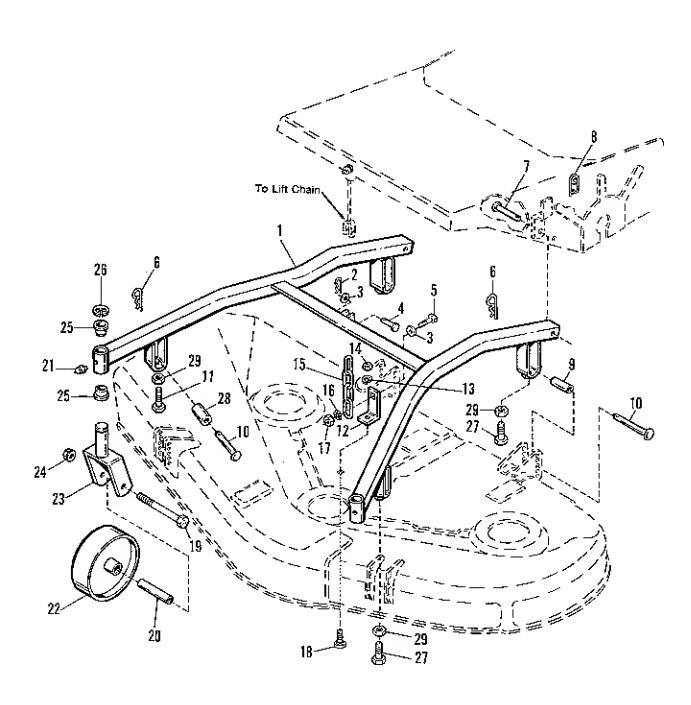




torque spec, chart unless otherwise noted.



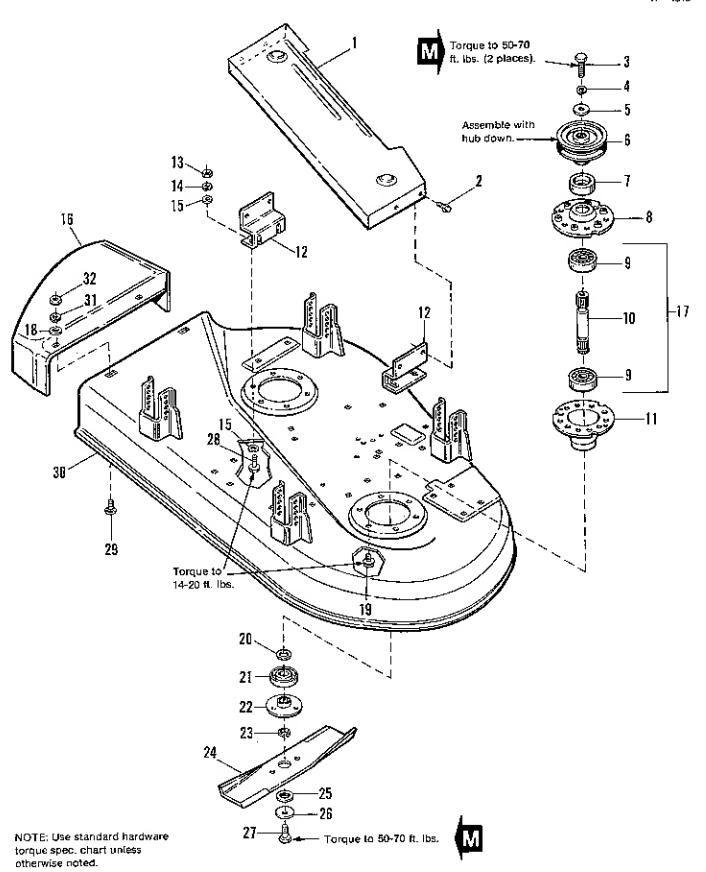
| Ref. | Part    |      |                                |
|------|---------|------|--------------------------------|
| No.  | No.     | Qty. | Description                    |
| 1    | 1678241 | 1    | BELT                           |
| 2    | 1916950 | 4    | NUT, Hex, 3/8-16               |
| 3    | 1916965 | 4    | LOCKWASHER                     |
| 4    | 1922611 | 2    | WASHER                         |
| 5    | 1676088 | 1    | SPACER                         |
| 6    | 1663114 | 2    | BUSHING                        |
| 7    | 1678238 | 1    | ARM ASSY., Clutch              |
| 8    | 1917642 | 8    | WASHER, 5/16                   |
| 9    | 171247  | 3    | PULLEY, idler                  |
| 10   | 1678305 | 1    | STOP, Beit (Early Models)      |
|      | 1701921 | 1    | STOP, Belt (Later Models)      |
| 11   | 1666294 | 1    | SPACER                         |
| 12   | 1685150 | 1    | PULLEY ASSY.                   |
| 13   | 1922755 | 1    | WASHER, 3/8                    |
| 14   | 1677135 | 1    | GUIDE, Belt                    |
| 15   | 1928635 | 1    | SCREW, Taptite, 3/8-16 x 1-1/4 |
| 16   | 1678236 | 1    | ROD, PTO                       |
| 17   | 1920161 | 2    | NUT, Hex, Jam, 5/16-18         |
| 18   | 1678237 | 1    | SPRING, PTO Rod                |
| 19   | 1657242 | 1    | SPACER                         |
| 20   | 1924356 | 2    | WASHER                         |
| 21   | 1878405 | 1    | STOP, Belt                     |
| 22   | 1700178 | 1    | BRACKET, Brake                 |
| 23   | 1917372 | 2    | NUT, Hex, 5/18-18              |
| 24   | 1917356 | 2    | LOCKWASHER, 5/16               |
| 25   | 1666294 | 2    | SPACER                         |
| 26   | 1664004 | 2    | CLIP                           |
| 27   | 1678353 | 1    | ROD, Brake                     |
| 28   | 1918196 | 1    | PiN, Spring                    |
| 29   | 1700129 | 1    | ROD, Brake                     |
| 30   | 1700869 | 1    | SPRING                         |
| 31   | 1960223 | 2    | CARRIAGE BOLT, 5/16-18 x 1-1/4 |
| 32   | 1931333 | 6    | CARRIAGE BOLT, 5/16-18 x 3/4   |
| 33   | 1960246 | 1    | CAPSCREW, Hex, 3/8-16 x 4-1/2  |
| 34   | 1678412 | 2    | BRACE                          |
| 35   | 1678240 | 2    | SUPPORT, Idler                 |
| 36   | 1921971 | 3    | CAPSCREW, Hex, 3/8-16 x 1-3/4  |
| 37   | 1927557 | 6    | NUT, Flange Whizlock, 5/16-18  |





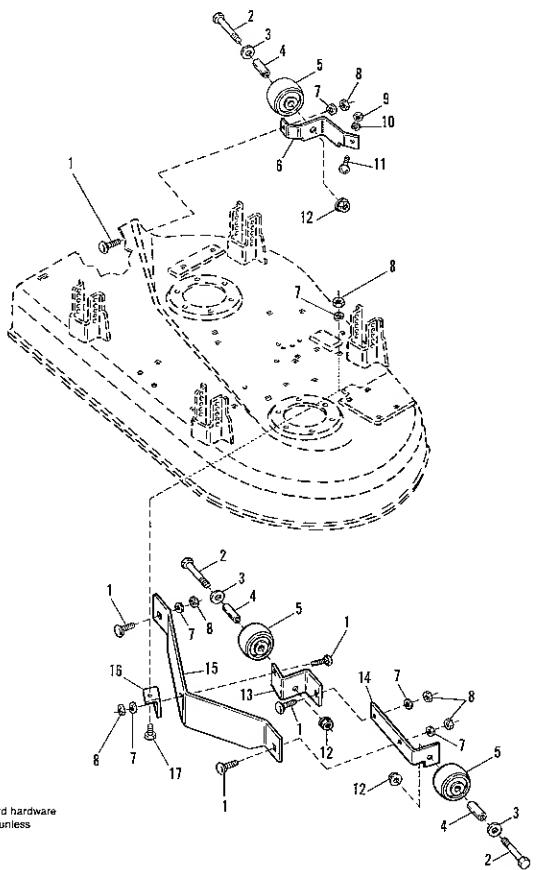
| Ref. | Part                 |      |                               |
|------|----------------------|------|-------------------------------|
| No.  | No.                  | Qty. | Description                   |
| 1    | 1678247              | 1    | ARM ASSY.                     |
| 2    | 1960221              | 7    | PIN, Quick                    |
| 3    | 1921319              | 2    | WASHER, 1/4                   |
| 4    | 1960296              | 7    | PIN, Lift Cable               |
| 5    | 1923341              | 1    | CAPSCREW, Hex, 1/4-20 x 3/4   |
| 6    | 1918196              | 4    | PIN, Quick                    |
| 7    | 105249               | 2    | PIN, Hitch                    |
| 8    | 176012               | 2    | PIN, Safety                   |
| 9    | 1678291              | 2    | SPACER, Rear                  |
| 10   | 1678434              | 4    | PIN                           |
| 11   | 1929116              | 1    | CAPSCREW, Hex, 3/8-16 x 2     |
| 12   | 1678339              | 1    | BRACKET, Lift                 |
| 13   | 1917356              | 1    | LOCKWASHER, 5/16              |
| 14   | 1917372              | . 1  | NUT, Hex, 5/16-18             |
| 15   | 1678337              | · 1  | CHAIN, Lift                   |
| 16   | 1 <del>9</del> 21880 | 1    | LOCKWASHER, Ext., 1/4         |
| 17   | 1916622              | 1    | NUT, Hex, 1/4-20              |
| 18   | 1931333              | 1    | CARRIAGE BOLT, 5/16-18 x 3/4  |
| 19   | 1960286              | 2    | CAPSCREW, Hex, 1/2-13 x 3-1/2 |
| 20   | 1678304              | 2    | SPACER, Wheel                 |
| 21   | 1921133              | 4    | FITTING, Lube, 1/4            |
| 22   | 1702483              | 2    | WHEEL                         |
| 23   | 1678092              | 2    | YOKE ASSY., Wheel             |
| 24   | 1930644              | 2    | NUT, Lock, 1/2-13             |
| 25   | 176440               | 4    | BUSHING                       |
| 26   | 927794               | 2    | E-RING                        |
| 27   | 1921974              | 3    | CAPSCREW, Hex, 3/8-16 x 1-1/2 |
| 28   | 1678292              | 2    | SPACER, Front                 |
| 29   | 1917421              | 4    | NUT, Hex, Jam, 3/8-16         |

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| Ref. | Part    |      |  |
|------|---------|------|--|
| No.  | No.     | Qty. | Description                            |
| 1    | 1700398 | 1    | COVER, Belt                            |
| 2    | 1927428 | 4    | SCREW, Taptite, 1/4-20 x 3/8           |
| 3    | 1936723 | 2    | CAPSCREW, Hex, 7/16-14 x 3/4           |
| 4    | 1918199 | 2    | LOCKWASHER                             |
| 5    | 1933263 | 2    | WASHER                                 |
| 6    | 1700271 | 2    | PULLEY ASSY., Arbor                    |
| 7    | 1657969 | 2    | SHIELD, Upper Grass                    |
| 8    | 1655729 | 2    | HOUSING, Top                           |
| 9    | 108202  | 4    | BEARING                                |
| 10   | 1685245 | 2    | SHAFT (Incl. Ref. No. 23)              |
| 11   | 1655728 | 2    | HOUSING, Bottom                        |
| 12   | 1700399 | 2    | BRACKET, Belt Cover                    |
| 13   | 1917372 | 4    | NUT, Hex, 5/16-18                      |
| 14   | 1917356 | 4    | LOCKWASHER, 5/16                       |
| 15   | 1917642 | 8    | WASHER, Plain, 3/8                     |
| 16   | 1702190 | 1    | DEFLECTOR                              |
| 17   | 1685251 | 2    | SHAFT & BEARING ASSY.                  |
|      |         |      | (Incl. Ref. Nos. 9, 10 & 23.)          |
| 18   | 1922755 | 2    | WASHER, Plain, 3/8                     |
| 19   | 1664847 | 8    | SCREW, Taptite, 5/16-18 x 5/8          |
| 20   | 1700230 | 2    | WASHER                                 |
| 21   | 1657588 | 2    | SHIELD, Lower Grass                    |
| 22   | 1655777 | 2    | ADAPTOR, Blade                         |
| 23   | 1672132 | 2    | COLLAR, Mower Arbor                    |
| 24   | 1657589 | 2    | BLADE                                  |
| 25   | 1656927 | 2    | WASHER, Spline                         |
| 26   | 1656916 | 2    | WASHER, Spring                         |
| 27   | 1923491 | 2    | CAPSCREW, Hex, 7/16-14 x 1             |
| 28   | 1927477 | 4    | SCREW, Taptite, 5/16-18 x 1            |
| 29   | 1931348 | 2    | CARRIAGE BOLT, 3/8-16 x 3/4            |
| 30   | 1685320 | 1    | HOUSING ASSY,, 36" Mower (Incl. Decats |
| 31   | 1916965 | 2    | LOCKWASHER, 3/8                        |
| 32   | 1916950 | 2    | NUT, Hex, 3/8-16                       |



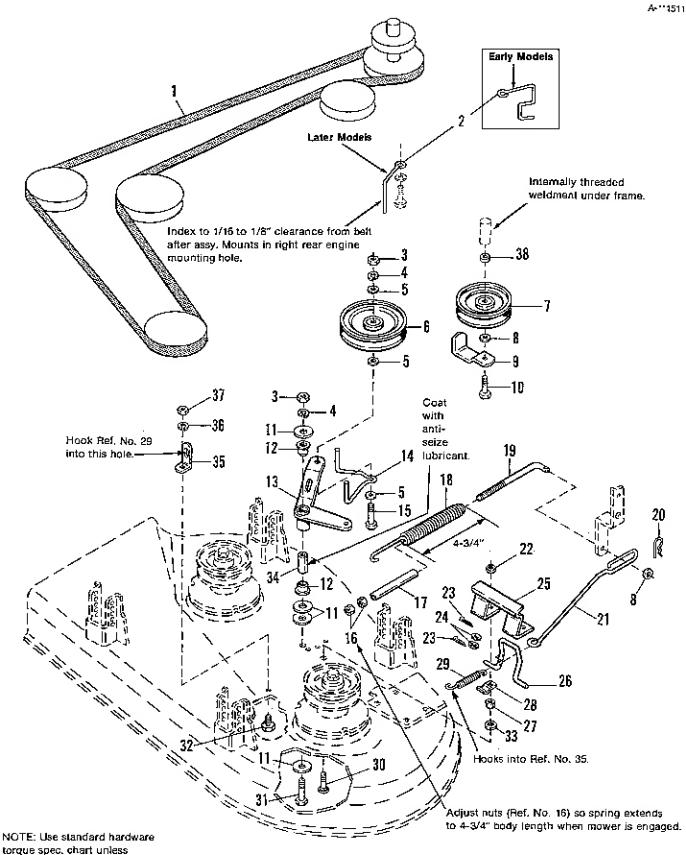
NOTE: Use standard hardware torque spec, chart unless otherwise noted.



| Ref. | Part    |      |                                  |
|------|---------|------|----------------------------------|
| No.  | No.     | Qıy. | Description                      |
| 1    | 1931334 | 5    | BOLT, Carriage, 5/16-18 x 7/8    |
| 2    | 1960245 | 3    | CAPSCREW, Hex, 1/2-13 x 3        |
| 3    | 1926192 | 3    | WASHER, 9/16 x 1-1/4             |
| 4    | 1702189 | 3    | SPACER                           |
| 5    | 1702144 | 3    | GAUGE, Roller                    |
| 6    | 1702137 | 1    | BRACKET, Roller, Right           |
| 7    | 1917356 | 6    | LOCKWASHER, 5/16                 |
| 8    | 1917372 | 6    | NUT, Hex, 5/16-18                |
| 9    | 1916622 | 1    | NUT, Hex, 1/4-20                 |
| 10   | 1916964 | 1    | LOCKWASHER, 1/4                  |
| 11   | 1931317 | 1    | BOLT, Carriage, 1/4-20 x 3/4     |
| 12   | 1677715 | 3    | NUT, Flange, Centerlock, 1/2-13  |
| 13   | 1702138 | 1    | BRACKET, Roller, Center          |
| 14   | 1702143 | 1    | BRACKET, Roller, Left            |
| 15   | 1671577 | 1    | BAFFLE                           |
| 16   | 1668500 | 1    | BRACKET, Mower to Baffle         |
| 17   | 1921332 | 1    | CAPSCREW, Hex Hd., 5/16-18 x 3/4 |

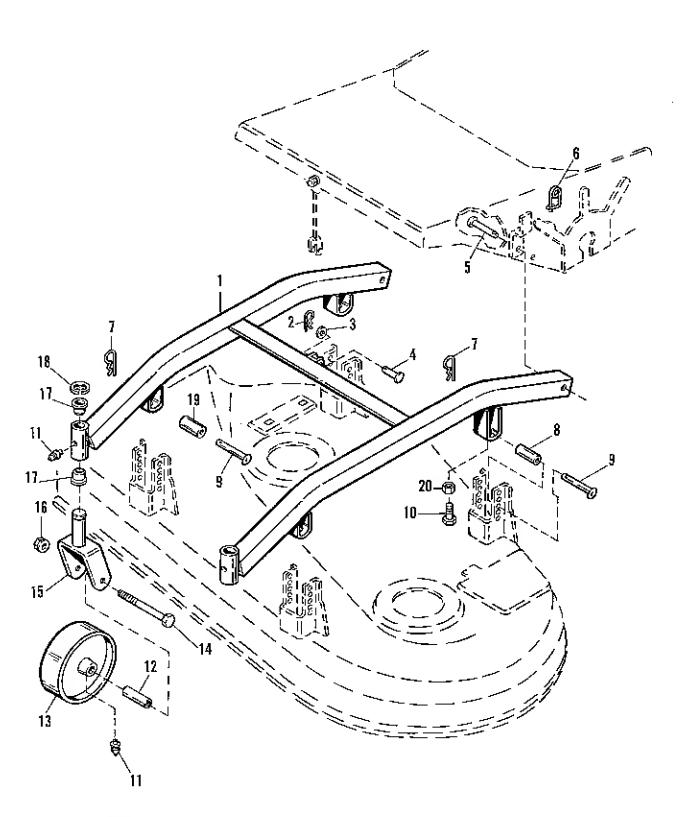
NOTE: For early model SunRunners without gauge wheels, all above parts (except Ref. No. 15) can be ordered as a kit, part number 1685346.

otherwise noted.





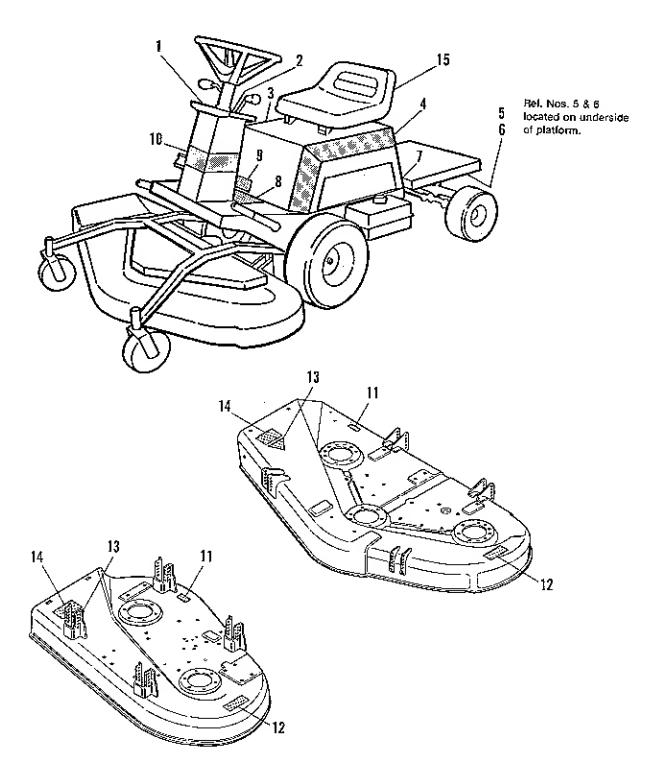
| Ref. | Part    |      |                                   |
|------|---------|------|-----------------------------------|
| No.  | No.     | Qty. | Description                       |
| 1    | 1664644 | 1    | BELT, Drive                       |
| 2    | 1700444 | 1    | GUIDE, Belt (Early Models)        |
|      | 1701921 | 1    | GUIDE, Belt (Later Models)        |
| 3    | 1916950 | 2    | NUT, Hex, 3/8-16                  |
| 4    | 1916965 | 2    | LOCKWASHER, 3/8                   |
| 5    | 1917642 | 3    | WASHER, 3/8 x 7/8                 |
| 6    | 171247  | 1    | PULLEY, Idler, Mower              |
| 7    | 1685150 | 1    | PULLEY, idler, Engine             |
| 8    | 1922755 | 2    | WASHER                            |
| 9    | 1677135 | 1    | GUIDE, Belt                       |
| 10   | 1928635 | 1    | SCREW, Taptite, 3/8-16 x 1-1/4    |
| 11   | 1924356 | 4    | WASHER, 13/32 x 1-1/2             |
| 12   | 1663114 | 2    | BUSHING                           |
| 13   | 1678238 | 1    | ARM ASSY., Clutch                 |
| 14   | 1678405 | 1    | STOP, Belt                        |
| 15   | 1921971 | 1    | CAPSCREW, Hex Hd., 3/8-16 x 1-3/4 |
| 16   | 1920161 | 2    | NUT, Hex Jam, 5/16-18             |
| 17   | 1700445 | 1    | SPACER                            |
| 18   | 1678237 | 1    | SPRING                            |
| 19   | 1678236 | 1    | ROD, Mower                        |
| 20   | 1918196 | 1    | CLIP, Hair Pin                    |
| 21   | 1700332 | 1    | ROD, Brake                        |
| 22   | 1928698 | 2    | NUT, Hex Centerlock Jam, 5/16-18  |
| 23   | 1918447 | 2    | PIN, Cotter                       |
| 24   | 1960103 | 2    | WASHER, 3/8                       |
| 25   | 1700178 | 1    | BRACKET, Brake                    |
| 26   | 1700717 | 1    | ROD, Brake                        |
| 27   | 1663956 | 2    | SPACER                            |
| 28   | 1664004 | 2    | CLIP                              |
| 29   | 1700869 | 1    | SPRING                            |
| 30   | 1960223 | 2    | CARRIAGE BOLT, 5/16-18 x 1-1/4    |
| 31   | 1923903 | 1    | CAPSCREW, Hex Hd., 3/8-16 x 3     |
| 32   | 1923341 | 1    | CAPSCREW, 1/4-20 x 3/4            |
| 33   | 933988  | 2    | NUT, Retainer, 5/16               |
| 34   | 1657242 | 1    | SPACER                            |
| 35   | 108186  | 1    | CLIP                              |
| 36   | 1916964 | 1    | LOCKWASHER, 1/4                   |
| 37   | 1916622 | 1    | NUT, Hex, 1/4-18                  |
| 38   | 1666294 | 1    | SPACER                            |



NOTE: Use standard hardware torque spec, chart unless otherwise noted.



| Ref. | Part                 |      |                                   |
|------|----------------------|------|-----------------------------------|
| No.  | No.                  | Qty. | Description                       |
| 1    | 1700251              | 1    | SUPPORT ASSY., 36" Mower          |
| 2    | 1960221              | 1    | PIN, Quick                        |
| 3    | 1921319              | 1    | WASHER, 1/4                       |
| 4    | 1960296              | 1    | PiN, Lift Cable                   |
| 5    | 105249               | 2    | PIN, Hitch                        |
| 6    | 176012               | 2    | PiN, Safety                       |
| 7    | 19181 <del>9</del> 6 | 4    | PIN, Quick                        |
| 8    | 1678291              | 2    | SPACER, Rear                      |
| 9    | 1678434              | 4    | PIN                               |
| 10   | 1921210              | 4    | CAPSCREW, Hex Hd., 3/8-16 x 1     |
| 11   | 1921133              | 2    | FITTING, Lube                     |
| 12   | 1678304              | 2    | SPACER, Wheel                     |
| 13   | 1702483              | 2    | WHEEL                             |
| 14   | 1960286              | 2    | CAPSCREW, Hex Hd., 1/2-13 x 3-1/2 |
| 15   | 167 <b>809</b> 2     | 2    | YOKE ASSY.                        |
| 16   | 1930644              | 2    | LOCKNUT, 1/2-13                   |
| 17   | 176440               | 4    | BUSHING                           |
| 18   | 927794               | 2    | E-RING                            |
| 19   | 1678292              | 2    | SPACER, Front                     |
| 20   | 1917421              | 4    | NUT, Hex, Jam, 3/8-16             |



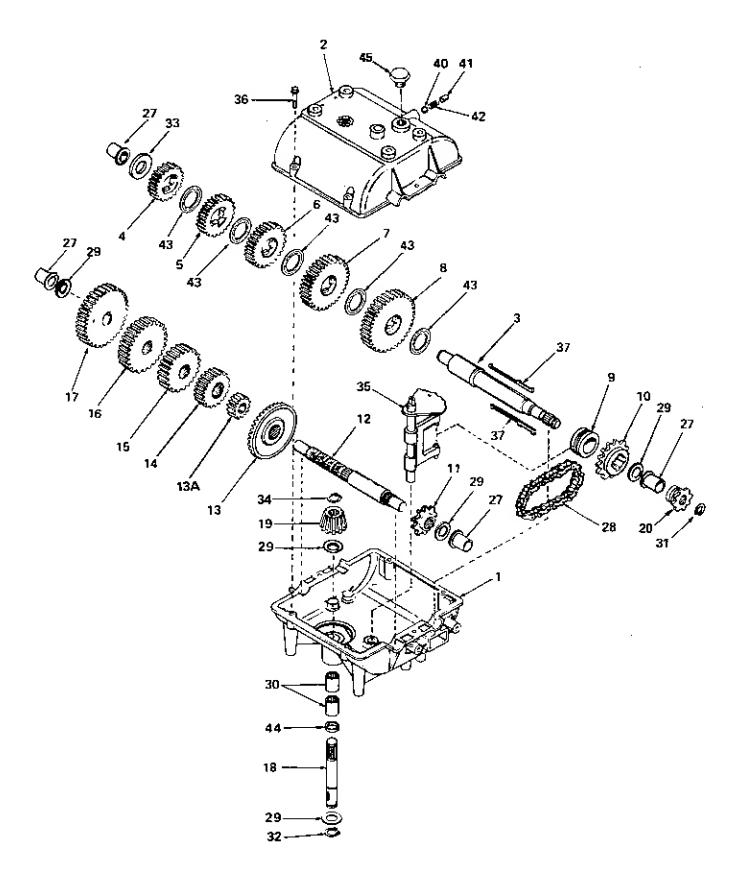


| Ref.<br>No. | Part<br>No. | Qty. | Description                                 |
|-------------|-------------|------|---|
| 140.        | 1901        | Qty. | Description                                 |
| 1           | 1678431     | 1    | DECAL, Shift Pattern                        |
| 2           | 1678430     | 1    | DECAL, Instrument Panel                     |
| 3           | 1678457     | 1    | DECAL, Side, R.H. (1691198 & 1691330 only)  |
|             | 1701578     | 1    | DECAL, Side, R.H. (1691457 & 1691458 only)  |
| 4           | 1678458     | 1    | DECAL, Side, L.H. (1691198 & 1691330 only)  |
|             | 1701579     | 1    | DECAL, Side, L.H. (1691457 & 1691458 only)  |
| 5           | 1702655     | 1    | DECAL, Drive Belts                          |
| 6           | 1700226     | 1    | DECAL, Stability                            |
| 7           |             | 1    | I.D. PLATE (Not Serviced)                   |
| 8           | 1678480     | 1    | DECAL, Caution & Controls                   |
| 9           | 1678463     | 1    | DECAL, Model No. 12 HP                      |
|             | 1700461     | 1    | DECAL, Model No. 8 HP                       |
| 10          | 1678459     | 1    | DECAL, Steering Column                      |
| 11          |             | 1    | I.D. PLate (Not Serviced)                   |
| 12          | 1676921     | 1    | DECAL, Danger                               |
| 13          |             | 1    | DECAL, OPEI (Not Serviced)                  |
| 14          | 1676922     | 1    | DECAL, Danger                               |
| 15          | 1664935     | 1    | DECAL, Simplicity                           |
|             | Not Shown   |      |   |
|             | 1700805     | 1    | DECAL, "No Riders" (Located on              |
|             |             |      | back upper right hand corner of seat deck.) |

## Touch-up Paint

| Paint Color             | Spray Cans        | Quarts             | Case of 12<br>Spray Cans | Touch-Up<br>Daubers<br>12/Carton |                          |
|-------------------------|-------------------|--------------------|--------------------------|----------------------------------|--------------------------|
| Classic Orange<br>White | 1685558<br>103049 | 1685560<br>1685032 | 1685559<br>1685178       | 1685562                          | 6 Classic Orange 6 White |
| Black                   | 1685551           | Not Avail.         | 1685552                  | Not Avail.                       | ) o mine                 |

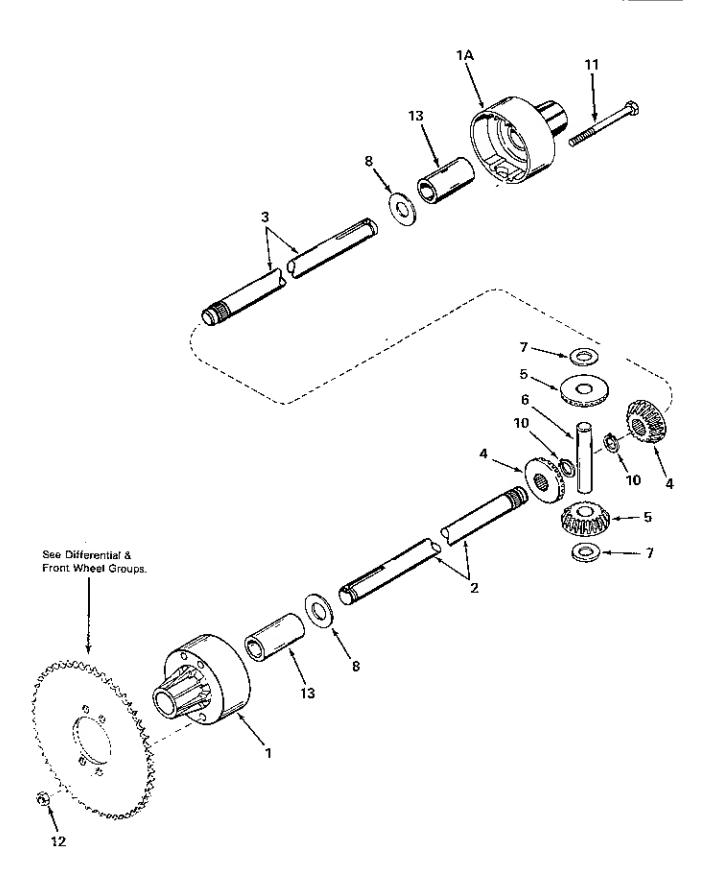






| Ref.<br>No. | Part<br>No. | Qty. | Description  |
|-------------|-------------|------|--|
| 1           | 770061      | 1    | CASE, Transmission                                     |
| 2           | 772083      | 1    | COVER, Transmission                                    |
| 3           | 776232      | 1    | SHAFT, Output  |
| 4           | 778121A     | 1    | GEAR, Spur (20 teeth)                                  |
| 5           | 778122A     | 1    | GEAR, Spur (22 teeth)                                  |
| 6           | 778123A     | 1    | GEAR, Spur (25 teeth)                                  |
| 7           | 778124A     | 1    | GEAR, Spur (30 teeth)                                  |
| 8           | 778125      | 1    | GEAR, Spur (35 teeth)                                  |
| 9           | 784266      | 1    | COLLAR, Shift  |
| 10          | 786083      | 1    | SPROCKET, (18 teeth)                                   |
| 11          | 786082      | 1    | SPROCKET, (9 teeth)                                    |
| 12          | 776134      | 1    | SHAFT, Counter   |
| 13          | 778137A     | 1    | GEAR, Bevel (42 teeth)                                 |
| 13A         | 778136      | 1    | GEAR, Spur (15 teeth)                                  |
| 14          | 778126A     | 1    | GEAR, Spur (20 teeth)                                  |
| 15          | 778127A     | 1    | GEAR, Spur (25 teeth)                                  |
| 16          | 778128A     | 1    | GEAR, Spur (28 teeth)                                  |
| 17          | 778129A     | 1    | GEAR, Spur (30 teeth)                                  |
| 18          | 776199      | 1    | SHAFT, Input   |
| 19          | 778113A     | 1    | BEVEL PINION, Input                                    |
| 20          | 786047      | 1    | SPROCKET (8 teeth)                                     |
| 27          | 780105A     | 4    | BUSHING, Flanged                                       |
| 28          | 786081      | 1    | CHAIN, Roller (No. 41 chain, 24 links)                 |
| 29          | 780072      | 5    | WASHER, Thrust   |
| 30          | 780086      | 2    | BEARING, Needle  |
| 31          | 792072      | 1    | RING, Retaining  |
| 32          | 792035      | 1    | RING, Retaining  |
| 33          | 780109      | 1    | WASHER   |
| 34          | 788040      | Ť    | RING, Retaining  |
| 35          | 784267      | 1    | ROD & FORK ASSY., Shift                                |
| 36          | 792073      | 4    | SCREW, Flanged Hex Hd., Thread Forming, 1/4-20 x 1-1/4 |
| 37          | 792089A     | 2    | KEY  |
| 40          | 792077      | 1    | BALL, Steel, 5/16"                                     |
| 41          | 792078      | 1    | SCREW, Set, 3/8-16 x 3/8                               |
| 42          | 792079      | 1    | SPRING   |
| 43          | 780108      | 5    | WASHER, Thrust   |
| 44          | 792001      | 1    | "O" RING   |
| 45          | 792074      | 1    | PLUG   |

NOTE: Above listed parts must be ordered from your local Tecumseh/Peerless distributor. Service, warranty and parts for Peerless products are not handled by Simplicity.





| Ref.<br>No. | Part<br>No. | Qty.        | Description                                       |
|-------------|-------------|-------------|---|
|             | 774944      | <del></del> | DOLONG BY CLD CALLEY                              |
| ļ .         | 774344      | l .         | HOUSING, Differential Carrier (Incl. Ref. No. 13) |
| 1A          | 774345      | 1           | HOUSING, Differential Carrier (Incl. Ref. No. 13) |
| 2           | 774704      | 1           | AXLE (8-63/64" Long)                              |
| 3           | 774705      | 1           | AXLE (22-9/64" Long)                              |
| 4           | 778221      | 2           | GEAR, Bevel                                       |
| 5           | 778068      | 2           | GEAR, Pinion                                      |
| 6           | 786040      | 1           | PIN, Drive  |
| 7           | 780096      | 2           | WASHER, Thrust                                    |
| 8           | 780001      | 2           | WASHER  |
| 10          | 792018      | 2           | RING, Snap  |
| 11          | 792044      | 4           | SCREW, Flanged Hex Hd., 5/16-18 x 3-15/16         |
| 12          | 792042      | 4           | NUT, Lock, 5/16-18                                |
| 13          | 780077      | 2           | BUSHING   |

NOTE: Above listed parts must be ordered from your local Tecumseh/Peerless distributor. Service, warranty and parts for Peerless products are not handled by Simplicity.

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|   |  |  |
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## TORQUE SPECIFICATIONS FOR STANDARD MACHINE HARDWARE **TOLERANCE ± 20%**

| SIZE                 | SAE | SAE GRADE #2 S |     | SAE GRADE #5 |       | SAE GRADE #8 |  |
|----------------------|-----|----------------|-----|--------------|-------|--------------|--|
| 8-32                 | 19  | In. Lbs.       | 30  | In. Lbs.     | 41    | In, Lbs.     |  |
| 8-36                 | 20  | ν              | 31  | **           | 43    | , , _ , ,    |  |
| 10-24                | 27  | H              | 43  | **           | 60    | a            |  |
| 10-32                | 31  | **             | 49  | re .         | 68    | п            |  |
| 1/4-20               | 66  | •              | 8   | Ft. Lbs      | 12    | Ft. Lbs.     |  |
| 1/4-28               | 76  |                | 10  | **           | 14    | n            |  |
| 5/1 <del>6</del> -18 | 11  | Ft. Lbs        | 17  | 12           | 25    | 11           |  |
| 5/16-24              | 12  |                | 19  | **           | 25    | ,,           |  |
| 3/8-16               | 20  | 24             | 30  | 14           | 45    | ar .         |  |
| 3/8-24               | 23  | 24             | 35  | **           | 50    | 41           |  |
| 7/16-14              | 30  | **             | 50  | **           | 70    | n            |  |
| 7/16-20              | 35  | **             | 55  | ır           | 80    | a            |  |
| 1/2-13               | 50  | **             | 75  | e            | 110   | a            |  |
| 1/2-20               | 55  | **             | 90  | **           | 120   | 21           |  |
| 9/16-12              | 65  | er             | 110 | c.           | 150   | er           |  |
| 9/16-18              | 75  | er             | 120 | er.          | 170   | л            |  |
| 5/8-11               | 90  | e              | 150 | er .         | 220   |              |  |
| 5/8-18               | 100 | 47             | 180 | ra .         | 240   | **           |  |
| 3/4-10               | 160 | 21             | 260 | er.          | 386   | "            |  |
| 3/4-16               | 180 | 24             | 300 | re           | 420   | 74           |  |
| 7/8-9                | 140 | 71             | 400 |              | 600   | 14           |  |
| 7/8-14               | 155 | **             | 440 | 21           | 660   | **           |  |
| 1-8                  | 220 |                | 580 | 21           | 900   | **           |  |
| 1-12                 | 240 | 4.5            | 640 | te           | 1,000 | 12           |  |

## NOTE:

- 1. These torque values are to be used for all Simplicity hardware excluding: locknuts, self-tapping screws, thread forming screws, sheet metal screws and socket head setscrews.
- 2. Recommended seating torque values for locknuts:
  - a. For prevailing torque locknuts use 65% of grade 5
  - b. For flange whizlock nuts (and screws) use 135% of grade 5 torques.
- 3. Unless otherwise noted on assembly drawings all torque values must meet this specification.

## **BOLT HEAD MARKING**

S.A.E. GRADE:





Simplicity Manufacturing, Inc. 500 N. Spring Street P.O. Box 997 Port Washington, WI 53874-0997